FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO

Texas Instruments Incorporated

AUTHORIZING THE OPERATION OF

Texas Instruments North Campus
Semiconductors and Related Devices

LOCATED AT

Dallas County, Texas

Latitude 32° 55' 51" Longitude 96° 45' 20"

Regulated Entity Number: RN102505195

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site and emission units listed in this permit. Operations of the site and emission units listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site and emission units authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site and emission units.

Permit No: O1311 Issuance Date: _____

_____

For the Commission

Table of Contents

Section **Page**

General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:
Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. Emission units subject to 40 CFR Part 63, Subpart ZZZZ as identified in the attached Applicable Requirements Summary table are subject to 30 TAC Chapter 113, Subchapter C, § 113.1090 which incorporates the 40 CFR Part 63 Subpart by reference.

F. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 101.302 (relating to General Provisions)

(ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)

(iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)

(iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)

(v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed either before or after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the

"Applicable Requirements Summary" attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from a building, enclosed facility, or other structure; the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(7)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(7)(B)(i) or (ii)

(iii) For a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source subject to 30 TAC § 111.111(a)(7)(A), complying with 30 TAC § 111.111(a)(7)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a building containing an air emission source, enclosed facility, or other structure containing or associated with an air emission source which is required to comply with 30 TAC § 111.111(a)(7)(A) shall be conducted at least once during each calendar quarter unless the air emission source or enclosed facility is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of air emission sources or enclosed facilities operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of air emission sources or enclosed facilities operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each emissions outlet in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each emissions outlet during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(7) and (a)(7)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(7)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is

performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

F. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)

(ii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

(iii) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. For storage vessels maintaining working pressure as specified in 30 TAC Chapter 115, Subchapter B, Division 1: Storage of Volatile Organic Compounds, the permit holder shall comply with the requirements of 30 TAC § 115.112(e)(1).

5. Permit holder shall comply with the following 30 TAC Chapter 115, Subchapter C requirements:

   A. When filling stationary gasoline storage vessels (Stage I) for motor vehicle fuel dispensing facilities, constructed prior to November 15, 1992, with transfers to stationary storage tanks located at a facility which has dispensed no more than 10,000 gallons of gasoline in any calendar month after January 1, 1991, the permit holder shall comply with the following requirements specified in 30 TAC Chapter 115, Subchapter C:

      (i) Title 30 TAC § 115.222(3) (relating to Control Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

      (ii) Title 30 TAC § 115.222(6) (relating to Control Requirements)

      (iii) Title 30 TAC § 115.224(1) (relating to Inspection Requirements), as it applies to liquid gasoline leaks, visible vapors, or significant odors

      (iv) Title 30 TAC § 115.226(2)(B) (relating to Recordkeeping Requirements)

6. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

   A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

   B. Title 40 CFR § 60.8 (relating to Performance Tests)

   C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

   D. Title 40 CFR § 60.12 (relating to Circumvention)

   E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

   F. Title 40 CFR § 60.14 (relating to Modification)

   G. Title 40 CFR § 60.15 (relating to Reconstruction)

   H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

7. The permit holder shall comply with the requirements of 30 TAC Chapter 113, Subchapter C, § 113.100 for units subject to any subpart of 40 CFR Part 63, unless otherwise stated in the applicable subpart.

8. For each gasoline dispensing facility, with a throughput of less than 10,000 gallons per month as specified in 40 CFR Part 63, Subpart CCCCCC, the permit holder shall comply with the following requirements (Title 30 TAC, Subchapter C, § 113.1380 incorporated by reference):

   A. Title 40 CFR § 63.11111(e), for records of monthly throughput

   B. Title 40 CFR § 63.11111(i), for compliance due to increase of throughput

   C. Title 40 CFR § 63.11113(c), for compliance due to increase of throughput

   D. Title 40 CFR § 63.11115(a), for operation of the source

   E. Title 40 CFR § 63.11116(a) and (a)(1) - (4), for work practices

   F. Title 40 CFR § 63.11116(b), for records availability

   G. Title 40 CFR § 63.11116(d), for portable gasoline containers

9. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

10. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a

deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

11. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

    A. Are incorporated by reference into this permit as applicable requirements

    B. Shall be located with this operating permit

    C. Are not eligible for a permit shield

12. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

13. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

14. The permit holder shall comply with the terms and conditions of the air addendum of the [Municipal Solid Waste], [Industrial Hazardous Waste] permits listed in the New Source Review Authorization Reference Attachment. Requirements other than those of the air addendum are not applicable to this operating permit.

15. The permit holder shall comply with the following requirements for Air Quality Standard Permits:

    A. Registration requirements listed in 30 TAC § 116.611, unless otherwise provided for in an Air Quality Standard Permit

    B. General Conditions listed in 30 TAC § 116.615, unless otherwise provided for in an Air Quality Standard Permit

    C. Applicable requirements of 30 TAC § 116.617 for Pollution Control Projects based on the information contained in the registration application.

Compliance Requirements

16. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

17. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

    A. The permit holder shall comply with the compliance schedules and submit written notification to the TCEQ Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:

        (i) For sources in the Dallas-Fort Worth Eight-Hour Nonattainment area, 30 TAC § 117.9030

    B. The permit holder shall comply with the Initial Control Plan unit identification requirements in 30 TAC § 117.450(a) and (a)(1).

    C. The permit holder shall comply with the requirements of 30 TAC § 117.454 for Final Control Plan Procedures for Attainment Demonstration Emission Specifications and 30 TAC § 117.456 for Revision of Final Control Plan.

18. Use of Emission Credits to comply with applicable requirements:

    A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:

        (i) Title 30 TAC Chapter 115

        (ii) Title 30 TAC Chapter 117

        (iii) Offsets for Title 30 TAC Chapter 116

B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)(2)

(ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1

(iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)(2)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

19. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Protection of Stratospheric Ozone

20. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone.

A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

B. Any on site servicing, maintenance, and repair of fleet vehicle air conditioning using ozone-depleting refrigerants shall be conducted in accordance with 40 CFR Part 82, Subpart B. Permit holders shall ensure that repairs or refrigerant removal are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart B.

C. The permit holder shall comply with 40 CFR Part 82, Subpart A for controlling the production, transformation, destruction, export or import of a controlled (ozone-depleting) substance or product as specified in 40 CFR § 82.1 - § 82.13 and the applicable Part 82 Appendices.

D. The permit holder shall comply with the following 40 CFR Part 82, Subpart E requirements for labeling products using ozone-depleting substances:

(i) Title 40 CFR § 82.100 (relating to Purpose)

(ii) Title 40 CFR § 82.102(a)(1) - (3), (b), (c) (relating to Applicability);

(iii) Title 40 CFR § 82.104 (relating to Definitions)

(iv) Title 40 CFR § 82.106 - 112 (relating to Warning Statements and Labels)

(v) Title 40 CFR § 82.114 (relating to Labeling Containers of Controlled [ozone - depleting] Substances)

(vi) Title 40 CFR § 82.116 (relating to Incorporation of Products Manufactured with Controlled [ozone-depleting] Substances)

(vii) Title 40 CFR § 82.120 (relating to Petitions)

(viii) Title 40 CFR § 82.122 (relating Certification, Recordkeeping, and Notice requirements)

(ix) Title 40 CFR § 82.124 (relating to Prohibitions)

E. The permit holder shall comply with 40 CFR Part 82, Subpart A, § 82.13 related to recordkeeping and reporting requirements for the production and consumption of ozone depleting substances.

Temporary Fuel Shortages (30 TAC § 112.15)

21. The permit holder shall comply with the following 30 TAC Chapter 112 requirements:

A. Title 30 TAC § 112.15 (relating to Temporary Fuel Shortage Plan Filing Requirements)

B. Title 30 TAC § 112.16(a), (a)(1), and (a)(2)(B) - (C) (relating to Temporary Fuel Shortage Plan Operating Requirements)

C. Title 30 TAC § 112.17 (relating to Temporary Fuel Shortage Plan Notification Procedures)

D. Title 30 TAC § 112.18 (relating to Temporary Fuel Shortage Plan Reporting Requirements)

Permit Location

22. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

23. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit

revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A "none" entry may be noted for some emission sources in this permit's "Applicable Requirements Summary" under the heading of "Monitoring and Testing Requirements" and/or "Recordkeeping Requirements" and/or "Reporting Requirements." Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
210	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
218	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
221A	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
221B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
221C	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
225	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
227B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
228B	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
228C	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
40E1	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
40E3	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	N/A	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
75	LOADING/UNLOADING OPERATIONS	N/A	R5211-1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
76	LOADING/UNLOADING OPERATIONS	N/A	R5211-2	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
76	STORAGE TANKS/VESSELS	N/A	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
CWT-1	SRIC ENGINES	N/A	R7400	30 TAC Chapter 117, Subchapter B	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
CWT-1	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
CWT-1	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
FAC-2	SRIC ENGINES	N/A	R7400	30 TAC Chapter 117, Subchapter B	No changing attributes.
FAC-2	SRIC ENGINES	N/A	60IIII	40 CFR Part 60, Subpart IIII	No changing attributes.
FAC-2	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPBOILER1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	CUP1, CUP2, CUP3, CUP4	REG2	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
GRPBOILER1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	CUP1, CUP2, CUP3, CUP4	R7ICI-4A	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPBOILER1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	CUP1, CUP2, CUP3, CUP4	60DC-1	40 CFR Part 60, Subpart Dc	No changing attributes.
GRPBOILER1	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	CUP1, CUP2, CUP3, CUP4	60DC-2	40 CFR Part 60, Subpart Dc	No changing attributes.
GRPBOILER2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	190315, 190316, 190317	REG2	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPBOILER2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	190315, 190316, 190317	R7ICI-5A	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPBOILER2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	190315, 190316, 190317	60DC-3	40 CFR Part 60, Subpart Dc	No changing attributes.
GRPBOILER2	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	190315, 190316, 190317	60DC-4	40 CFR Part 60, Subpart Dc	No changing attributes.
GRPBOILER3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	190311, 190312, 190313, 190314	REG2	30 TAC Chapter 112, Sulfur Compounds	No changing attributes.
GRPBOILER3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	190311, 190312, 190313, 190314	R7ICI-6A	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPBOILER3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	190311, 190312, 190313, 190314	60DC-5	40 CFR Part 60, Subpart Dc	No changing attributes.
GRPBOILER3	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	190311, 190312, 190313, 190314	60DC-6	40 CFR Part 60, Subpart Dc	No changing attributes.
GRPEG1	SRIC ENGINES	COM-1, FAC-1, PESG, RE	R7400	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPEG1	SRIC ENGINES	COM-1, FAC-1, PESG, RE	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPEG2	SRIC ENGINES	CUPEG2, DM5N-1, DM5N-2, DM5N-3, DM5S-1-1, DM5S-2-1, DM5S-2-2, DM6-1, DM6-2, DM6-3, DM6-4, FP-1, FP-2, KE-2, KW, PESG2, SB-1, SB-2, SB-3, SC-1, SC-4	R7400	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPEG2	SRIC ENGINES	CUPEG2, DM5N-1, DM5N-2, DM5N-3, DM5S-1-1, DM5S-2-1, DM5S-2-2, DM6-1, DM6-2, DM6-3, DM6-4, FP-1, FP-2, KE-2, KW, PESG2, SB-1, SB-2, SB-3, SC-1, SC-4	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPEG3	SRIC ENGINES	SC-2, SC-3	R7400	30 TAC Chapter 117, Subchapter B	No changing attributes.
GRPEG3	SRIC ENGINES	SC-2, SC-3	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
GRPINGVENT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	217, 219, 222, 223, 224, 226, 238, 239, S28	R1111	30 TAC Chapter 111, Visible Emissions	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPINGVENT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	217, 219, 222, 223, 224, 226, 238, 239, S28	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPTANKS1	LOADING/UNLOADING OPERATIONS	D5NST1, D5SST1, D5SST2, KCST1, SBST1, SBST2	R5211-3	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPTANKS1	STORAGE TANKS/VESSELS	D5NST1, D5SST1, D5SST2, KCST1, SBST1, SBST2	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANKS2	LOADING/UNLOADING OPERATIONS	D5SST4, D6ST1, T47VOC, T48VOC, T49VOC, T50VOC, T51VOC, T52VOC, T54VOC, T55VOC, T58VOC	R5211-4	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPTANKS2	STORAGE TANKS/VESSELS	D5SST4, D6ST1, T47VOC, T48VOC, T49VOC, T50VOC, T51VOC, T52VOC, T54VOC, T55VOC, T58VOC	R5112-1	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANKS3	LOADING/UNLOADING OPERATIONS	T39VOC, T40VOC, T41VOC, T42VOC, T78VOC, T89VOC	R5211-5	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPTANKS3	STORAGE TANKS/VESSELS	T39VOC, T40VOC, T41VOC, T42VOC, T78VOC, T89VOC	R5112-4	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPTANKS5	LOADING/UNLOADING OPERATIONS	D6ST2, SCST1	R5211-7	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRPTANKS5	STORAGE TANKS/VESSELS	D6ST2, SCST1	R5112	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
GRPTANKS6	LOADING/UNLOADING OPERATIONS	T1VOC, T23VOC, T24VOC, T25VOC, T2VOC, T3VOC, T5VOC, T61VOC, T62VOC, T63VOC, T64VOC, T77VOC, T79VOC, T80VOC, T81VOC, T82VOC, T83VOC, T84VOC, T85VOC, T86VOC, T87VOC, T88VOC, T90VOC, T91VOC, T92VOC, T93VOC	R5211-8	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
GRPVOCVENT	EMISSION POINTS/STATIONARY VENTS/PROCESS VENTS	101, 103, 11, 19A, 19B, 204, 205, 206, 207, 208, 209, 213, 220, 221D, 228A, 229, 229A, 230, 234, 26C, 2B, 32A, 32C, 32D, 36, 40E2, 40E4, 52, 53A, 53B, 60, 62, 74, 77, D5NAM, D5NAM2, DM5NGEN1, DM5NGEN2, DM5SGEN1, DM5SGEN2, DM5SGEN3, DM6GEN1, KCGEN, SBGEN, SCGEN1, SCGEN2, SCGEN3, TIMEGEN1, UNIT1	R5121-1	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
SBGAR	SRIC ENGINES	N/A	R7400	30 TAC Chapter 117, Subchapter B	No changing attributes.
SBGAR	SRIC ENGINES	N/A	63ZZZZ	40 CFR Part 63, Subpart ZZZZ	No changing attributes.
T100VOC	LOADING/UNLOADING OPERATIONS	N/A	R5211-15	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
T101VOC	LOADING/UNLOADING OPERATIONS	N/A	R5211-16	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
T102VOC	LOADING/UNLOADING OPERATIONS	N/A	R5211-17	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
T103VOC	LOADING/UNLOADING OPERATIONS	N/A	R5211-18	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
T120VOC	LOADING/UNLOADING OPERATIONS	N/A	R5211-10	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
T120VOC	STORAGE TANKS/VESSELS	N/A	R5112-3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T121VOC	LOADING/UNLOADING OPERATIONS	N/A	R5211-11	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
T121VOC	STORAGE TANKS/VESSELS	N/A	R5112-3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T122VOC	LOADING/UNLOADING OPERATIONS	N/A	R5211-12	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
T122VOC	STORAGE TANKS/VESSELS	N/A	R5112-3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
T123VOC	LOADING/UNLOADING OPERATIONS	N/A	R5211-14	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
T123VOC	STORAGE TANKS/VESSELS	N/A	R5112-3	30 TAC Chapter 115, Storage of VOCs	No changing attributes.
T74VOC	LOADING/UNLOADING OPERATIONS	N/A	R5211-9	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
210	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
218	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
221A	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
221B	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
221C	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
225	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
227B	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
228B	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
228C	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
40E1	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
40E3	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
75	EU	R5211-1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
76	EU	R5211-2	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
76	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CWT-1	EU	R7400	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
CWT-1	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CWT-1	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
CWT-1	EU	60IIII	PM (OPACITY)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CWT-1	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
CWT-1	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FAC-2	EU	R7400	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None
FAC-2	EU	60IIII	CO	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 37 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a CO emission limit of 5.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FAC-2	EU	60IIII	NMHC and NO_x	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than or equal to 560 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with an NMHC+NOx emission limit of 4.0 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
FAC-2	EU	60IIII	PM (OPACITY)	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.113(a)(1) § 89.113(a)(2) § 89.113(a)(3)	Emergency stationary CI ICE, that are not fire pump engines, with displacement < 10 lpc and not constant-speed engines, with max engine power < 2237 KW and a 2007 model year and later or max engine power > 2237 KW and a 2011 model year and later, must comply with following opacity emission limits: 20% during acceleration, 15% during lugging, 50% during peaks in either acceleration or lugging modes as stated in §60.4202(a)(1)-(2), (b)(2) and §89.113(a)(1)-(3) and §1039.105(b)(1)-(3).	None	None	[G]§ 60.4214(d)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
FAC-2	EU	60IIII	PM	40 CFR Part 60, Subpart IIII	§ 60.4205(b) § 60.4202(a)(2) § 60.4206 § 60.4207(b) [G]§ 60.4211(a) § 60.4211(c) [G]§ 60.4211(f) § 60.4218 § 89.112(a)	Owners and operators of emergency stationary CI ICE, that are not fire pump engines, with a maximum engine power greater than or equal to 75 KW and less than 130 KW and a displacement of less than 10 liters per cylinder and is a 2007 model year and later must comply with a PM emission limit of 0.30 g/KW-hr, as stated in 40 CFR 60.4202(a)(2) and 40 CFR 89.112(a).	None	None	[G]§ 60.4214(d)
FAC-2	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6590(c)	Stationary RICE subject to Regulations under 40 CFR Part 60. An affected source that meets any of the criteria in paragraphs (c)(1) through (7) of this section must meet the requirements of this part by meeting the requirements of 40 CFR part 60 subpart IIII, for compression ignition engines or 40 CFR part 60 subpart JJJJ, for spark ignition engines as applicable. No further requirements apply for such engines under this part.	None	None	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOILER1	EU	REG2	SO2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)
GRPBOILER1	EU	R7ICI-4A	CO	30 TAC Chapter 117, Subchapter B	§ 117.410(d)(1) [G]§ 117.403(c) § 117.410(d)(1)(B) § 117.440(j)	No person shall allow the discharge into the atmosphere from any unit CO emissions that exceed 400 ppmv at 3.0% oxygen, dry basis.	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(d) § 117.440(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)	§ 117.445(a) § 117.445(f) § 117.445(f)(1) § 117.445(f)(8)	§ 117.435(f) § 117.445(b) § 117.445(b)(2) [G]§ 117.445(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOILER1	EU	R7ICI-4A	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.410(b)(1)(B) [G]§ 117.403(c) § 117.410(b) § 117.410(c)(2) [G]§ 117.410(f)(1) § 117.410(f)(2) [G]§ 117.410(f)(3) § 117.410(f)(4) § 117.430(b) § 117.430(b)(1) § 117.440(j)	No person shall allow the discharge from gas-fired boilers with a maximum rated capacity equal to or greater than 40 MMBtu/hr, but less than 100 MMBtu/hr, NOx emissions in excess of 0.030 lb/MMBtu.	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(d) § 117.440(a) § 117.440(k)(2) § 117.440(k)(3) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.445(a) § 117.445(f) § 117.445(f)(1) § 117.445(f)(8)	§ 117.435(f) § 117.445(b) § 117.445(b)(2) [G]§ 117.445(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRPBOILER1	EU	60DC-1	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER1	EU	60DC-1	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOILER1	EU	60DC-1	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER1	EU	60DC-2	SO_2	40 CFR Part 60, Subpart Dc	§ 60.42c(d) § 60.40c(c) § 60.42c(h) § 60.42c(i) § 60.42c(j)	On/after the §60.8 test, oil-fired facilities shall not discharge SO2 gases in excess of 215 ng/J (0.50 lb/MMBtu) heat input or, alternatively, combust oil with a greater than 0.5 weight % sulfur.	§ 60.44c(a) § 60.44c(d) § 60.44c(h) § 60.44c(j) § 60.46c(e)	[G]§ 60.48c(e) [G]§ 60.48c(f) § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(b) § 60.48c(d) [G]§ 60.48c(e) § 60.48c(j)
GRPBOILER1	EU	60DC-2	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER2	EU	REG2	SO2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOILER2	EU	R7ICI-5A	CO	30 TAC Chapter 117, Subchapter B	§ 117.410(d)(1) [G]§ 117.403(c) § 117.410(d)(1)(B) § 117.440(j)	No person shall allow the discharge into the atmosphere from any unit CO emissions that exceed 400 ppmv at 3.0% oxygen, dry basis.	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(d) § 117.440(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)	§ 117.445(a) § 117.445(f) § 117.445(f)(1) § 117.445(f)(8)	§ 117.435(f) § 117.445(b) § 117.445(b)(2) [G]§ 117.445(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRPBOILER2	EU	R7ICI-5A	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.410(b)(1)(C) [G]§ 117.403(c) § 117.410(b) § 117.410(c)(2) [G]§ 117.410(f)(1) § 117.410(f)(2) [G]§ 117.410(f)(3) § 117.410(f)(4) § 117.430(b) § 117.430(b)(1) § 117.440(j)	No person shall allow the discharge from gas-fired boilers with a maximum rated capacity less than 40 MMBtu/hr, NOx emissions in excess of 0.036 lb/MMBtu (or alternatively, 30 parts per million by volume (ppmv) NOx, at 3.0% oxygen, dry basis).	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(d) § 117.440(a) § 117.440(k)(2) § 117.440(k)(3) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.445(a) § 117.445(f) § 117.445(f)(1) § 117.445(f)(8)	§ 117.435(f) § 117.445(b) § 117.445(b)(2) [G]§ 117.445(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOILER2	EU	60DC-3	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER2	EU	60DC-3	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER2	EU	60DC-3	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER2	EU	60DC-4	SO_2	40 CFR Part 60, Subpart Dc	§ 60.42c(d) § 60.40c(c) § 60.42c(h) § 60.42c(i) § 60.42c(j)	On/after the §60.8 test, oil-fired facilities shall not discharge SO2 gases in excess of 215 ng/J (0.50 lb/MMBtu) heat input or, alternatively, combust oil with a greater than 0.5 weight % sulfur.	§ 60.44c(a) § 60.44c(d) § 60.44c(h) § 60.44c(j) § 60.46c(e)	[G]§ 60.48c(e) [G]§ 60.48c(f) § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(b) § 60.48c(d) [G]§ 60.48c(e) § 60.48c(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOILER2	EU	60DC-4	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER2	EU	60DC-4	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER3	EU	REG2	SO2	30 TAC Chapter 112, Sulfur Compounds	§ 112.9(a)	No person may cause, suffer, allow, or permit emissions of SO2 from any liquid fuel-fired steam generator, furnace, or heater to exceed 440 ppmv at actual stack conditions and averaged over 3-hours.	§ 112.2(a) ** See Periodic Monitoring Summary	§ 112.2(c)	§ 112.2(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOILER3	EU	R7ICI-6A	CO	30 TAC Chapter 117, Subchapter B	§ 117.410(d)(1) [G]§ 117.403(c) § 117.410(d)(1)(B) § 117.440(j)	No person shall allow the discharge into the atmosphere from any unit CO emissions that exceed 400 ppmv at 3.0% oxygen, dry basis.	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(d) § 117.440(a) § 117.8000(b) § 117.8000(c) § 117.8000(c)(2) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d) § 117.8120 § 117.8120(2) [G]§ 117.8120(2)(A) § 117.8120(2)(B)	§ 117.445(a) § 117.445(f) § 117.445(f)(1) § 117.445(f)(8)	§ 117.435(f) § 117.445(b) § 117.445(b)(2) [G]§ 117.445(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRPBOILER3	EU	R7ICI-6A	NO_X	30 TAC Chapter 117, Subchapter B	§ 117.410(b)(1)(C) [G]§ 117.403(c) § 117.410(b) § 117.410(c)(2) [G]§ 117.410(f)(1) § 117.410(f)(2) [G]§ 117.410(f)(3) § 117.410(f)(4) § 117.430(b) § 117.430(b)(1) § 117.440(j)	No person shall allow the discharge from gas-fired boilers with a maximum rated capacity less than 40 MMBtu/hr, NOx emissions in excess of 0.036 lb/MMBtu (or alternatively, 30 parts per million by volume (ppmv) NOx, at 3.0% oxygen, dry basis).	§ 117.435(a)(1) § 117.435(a)(3) § 117.435(b) § 117.435(d) § 117.440(a) § 117.440(k)(2) § 117.440(k)(3) § 117.8000(b) § 117.8000(c) § 117.8000(c)(1) § 117.8000(c)(3) § 117.8000(c)(5) § 117.8000(c)(6) [G]§ 117.8000(d)	§ 117.445(a) § 117.445(f) § 117.445(f)(1) § 117.445(f)(8)	§ 117.435(f) § 117.445(b) § 117.445(b)(2) [G]§ 117.445(c) § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) § 117.8010(2)(C) § 117.8010(2)(D) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOILER3	EU	60DC-5	SO_2	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER3	EU	60DC-5	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER3	EU	60DC-5	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER3	EU	60DC-6	SO_2	40 CFR Part 60, Subpart Dc	§ 60.42c(d) § 60.40c(c) § 60.42c(h) § 60.42c(i) § 60.42c(j)	On/after the §60.8 test, oil-fired facilities shall not discharge SO2 gases in excess of 215 ng/J (0.50 lb/MMBtu) heat input or, alternatively, combust oil with a greater than 0.5 weight % sulfur.	§ 60.44c(a) § 60.44c(d) § 60.44c(h) § 60.44c(j) § 60.46c(e)	[G]§ 60.48c(e) [G]§ 60.48c(f) § 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(b) § 60.48c(d) [G]§ 60.48c(e) § 60.48c(j)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPBOILER3	EU	60DC-6	PM	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPBOILER3	EU	60DC-6	PM (OPACITY)	40 CFR Part 60, Subpart Dc	§ 60.40c(a)	This subpart applies to each steam generating unit constructed, reconstructed, or modified after 6/9/89 and that has a maximum design heat input capacity of 2.9-29 megawatts (MW).	None	§ 60.48c(g)(1) § 60.48c(g)(2) § 60.48c(g)(3) § 60.48c(i)	[G]§ 60.48c(a) § 60.48c(j)
GRPEG1	EU	R7400	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPEG1	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRPEG2	EU	R7400	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPEG2	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRPEG3	EU	R7400	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPEG3	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.4 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(i) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary CI RICE and black start stationary CI RICE, located at an area source, you must comply with the requirements as specified in Table 2d.4.a-c.	§ 63.6625(f) § 63.6625(i) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(i) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
GRPINGVENT	EP	R1111	OPACITY	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRPINGVENT	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRPTANKS1	EU	R5211-3	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPTANKS1	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
GRPTANKS2	EU	R5211-4	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPTANKS2	EU	R5112-1	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
GRPTANKS3	EU	R5211-5	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
GRPTANKS3	EU	R5112-4	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.111(a)(1)	Except as provided in § 115.118, a storage tank storing VOC with a true vapor pressure less than 1.5 psia is exempt from the requirements of this division.	[G]§ 115.117	§ 115.118(a)(1) § 115.118(a)(5) § 115.118(a)(7)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPTANKS5	EU	R5211-7	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None
GRPTANKS5	EU	R5112	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
GRPTANKS6	EU	R5211-8	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPVOCVENT	EP	R5121-1	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(B) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream specified in § 115.121(a)(1) of this title with a concentration of VOC < 612 ppmv is exempt from § 115.121(a)(1).	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
SBGAR	EU	R7400	EXEMPT	30 TAC Chapter 117, Subchapter B	[G]§ 117.403(a)(8) § 117.403(a) [G]§ 117.410(g)	Units exempt from this division, except as specified in §§117.440(i), 117.445(f)(4) and (9), 117.450 and 117.454, include stationary diesel engines placed into service before June 1, 2007 that operate less than 100 hours/year based on a rolling 12-month average and that has not been modified, reconstructed or relocated on or after June 1, 2007 per §117.403(a)(8)(A)-(B)	None	§ 117.440(i) § 117.445(f)(4) [G]§ 117.445(f)(9)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SBGAR	EU	63ZZZZ	112(B) HAPS	40 CFR Part 63, Subpart ZZZZ	§ 63.6603(a)-Table2d.5 § 63.6595(a)(1) § 63.6605(a) § 63.6605(b) § 63.6625(e) § 63.6625(h) § 63.6625(j) § 63.6640(b) § 63.6640(f)(1) [G]§ 63.6640(f)(2) [G]§ 63.6640(f)(4)	For each existing emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE with a site rating greater than 500 HP that operates 24 hours or less per calendar year, located at an area source, you must comply with the requirements as specified in Table 2d.5.a-c.	§ 63.6625(f) § 63.6625(j) § 63.6640(a) § 63.6640(a)-Table6.9.a.i § 63.6640(a)-Table6.9.a.ii § 63.6640(b)	§ 63.6625(j) § 63.6655(a) § 63.6655(a)(1) § 63.6655(d) § 63.6655(e) § 63.6655(f) § 63.6660(a) § 63.6660(b) § 63.6660(c)	§ 63.6640(b) § 63.6640(e) § 63.6650(f)
T100VOC	EU	R5211-15	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
T101VOC	EU	R5211-16	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T102VOC	EU	R5211-17	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
T103VOC	EU	R5211-18	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
T120VOC	EU	R5211-10	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) § 115.212(a)(2) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T120VOC	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
T121VOC	EU	R5211-11	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T121VOC	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
T122VOC	EU	R5211-12	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T122VOC	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
T123VOC	EU	R5211-14	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(2)(A) [G]§ 115.212(a)(7) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Any plant, excluding gasoline bulk plants, which loads less than 20,000 gpd of VOC with a true vapor pressure of 0.5 psia or greater is exempt from the requirements of this division, except for the specified requirements.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B) § 115.216(3)(D)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
T123VOC	EU	R5112-3	VOC	30 TAC Chapter 115, Storage of VOCs	§ 115.112(e)(1)	No person shall place, store, or hold VOC in any storage tank unless the storage tank is capable of maintaining working pressure sufficient at all times to prevent any vapor or gas loss to the atmosphere or is in compliance with the control requirements specified in Table 1 of this paragraph for VOC other than crude oil and condensate or Table 2 of subsection (a)(1) of this paragraph for crude oil and condensate.	[G]§ 115.117 ** See Periodic Monitoring Summary	§ 115.118(a)(5) § 115.118(a)(7)	None
T74VOC	EU	R5211-9	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Additional Monitoring Requirements

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPBOILER1	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2
Pollutant: SO2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: With each delivery	
Averaging Period: n/a	
Deviation Limit: Fuel oil < 0.3% sulfur	
Periodic Monitoring Text: Maintain fuel purchase and composition records to the specified method to demonstrate a uniform composition and that only 0.3% sulfur is burned in the unit. Should fuel blending be practiced, measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPBOILER2	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2
Pollutant: SO2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: With each delivery	
Averaging Period: n/a	
Deviation Limit: Fuel oil < 0.3% sulfur	
Periodic Monitoring Text: Maintain fuel purchase and composition records to the specified method to demonstrate a uniform composition and that only 0.3% sulfur is burned in the unit. Should fuel blending be practiced, measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPBOILER3	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 112, Sulfur Compounds	SOP Index No.: REG2
Pollutant: SO2	Main Standard: § 112.9(a)
Monitoring Information	
Indicator: Sulfur Content of Fuel	
Minimum Frequency: With each delivery	
Averaging Period: n/a	
Deviation Limit: Fuel oil < 0.3% sulfur	
Periodic Monitoring Text: Maintain fuel purchase and composition records to the specified method to demonstrate a uniform composition and that only 0.3% sulfur is burned in the unit. Should fuel blending be practiced, measure and record the sulfur content of the fuel. Any monitoring data above the deviation limit shall be considered and reported as a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPINGVENT	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111
Pollutant: OPACITY	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Visible Emissions	
Minimum Frequency: Once per week	
Averaging Period: n/a	
Deviation Limit: Any opacity reading >15%	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded. Note that to properly determine the presence of visible emissions, all sources must be in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 miles, away from the emission source during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. If the observations cannot be conducted due to weather conditions, the date, time, and specific weather conditions shall be recorded. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. If visible emissions are observed, the permit holder shall report a deviation. As an alternative, the permit holder may determine the opacity consistent with Test Method 9, as soon as practicable, but no later than 24 hours after observing visible emissions. If Test Method 9 yields a result above the corresponding opacity limit, the permit holder shall report a deviation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPTANKS1	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Olfactory, visual or audible (OVA) or Instrument	
Minimum Frequency: Weekly	
Averaging Period: n/a	
Deviation Limit: Detectable gaps, cracks, holes penetrating interior of tank. Max dev limit 500 ppmv on leak detect equip for potential leaks at inspection, relief devices. Detectable odor, visible, audible emissions from flanges, all other tank components a deviation.	
Periodic Monitoring Text: Inspection of all tanks system components for evidence of leaks to include all covers or closures to insure no gaps, cracks, or holes which penetrate to the interior of the tank. Inspection of pressure relief devices by instrument. Flanges and all other components by OVA or instrument. Any leaks found are repaired and documented.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPTANKS2	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Inspect fill pipe each time the tank is emptied and degassed.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPTANKS2	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-1
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: No records of tank construction specifications.	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPTANKS5	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Olfactory, visual, or audible (OVA) or Instrument	
Minimum Frequency: Weekly	
Averaging Period: n/a	
Deviation Limit: Detectable gaps, cracks, holes penetrating interior of tank. Max dev limit 500 ppmv on leak detect equip for potential leaks at inspection, relief devices. Detectable odor, visible, audible emiss frm flanges, all other tank components a deviation.	
Periodic Monitoring Text: Inspection of all tanks system components for evidence of leaks to include all covers or closures to insure no gaps, cracks, or holes which penetrate to the interior of the tank. Inspection of pressure relief devices by instrument. Flanges and all other components by OVA or instrument. Any leaks found are repaired and documented.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T120VOC	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-3
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Inspect fill pipe each time the tank is emptied and degassed.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T120VOC	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-3
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: No record of tank construction specifications.	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T121VOC	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-3
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Inspect fill pipe each time tank is emptied and degassed.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T121VOC	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-3
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: No records of tank construction specifications.	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T122VOC	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-3
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Structural Integrity of the Pipe	
Minimum Frequency: Emptied and degassed	
Averaging Period: n/a	
Deviation Limit: Inspect fill pipe each time tank is emptied and degassed.	
Periodic Monitoring Text: Inspect to determine the structural integrity of the fill pipe and record each time the storage vessel is emptied and degassed to ensure that it continues to meet the specifications in the above requirement. If the structural integrity of the fill pipe is in question, repairs shall be made before the storage vessel is refilled. It shall be considered and reported as a deviation if the repairs are not completed prior to refilling the storage vessel.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T122VOC	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-3
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Record of Tank Construction Specifications	
Minimum Frequency: n/a	
Averaging Period: n/a	
Deviation Limit: No records of tank construction specifications.	
Periodic Monitoring Text: Keep a record of tank construction specifications (e.g. engineering drawings) that show a fill pipe that extends from the top of a tank to have a maximum clearance of six inches (15.2 centimeters) from the bottom or, when the tank is loaded from the side, a discharge opening entirely submerged when the pipe used to withdraw liquid from the tank can no longer withdraw liquid in normal operation.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: T123VOC	
Control Device ID No.: n/a	Control Device Type: n/a
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Storage of VOCs	SOP Index No.: R5112-3
Pollutant: VOC	Main Standard: § 115.112(e)(1)
Monitoring Information	
Indicator: Olfactory, Visual or Audible and VOC (Volatile Organic Compounds) Instrument using Method 21 protocol.	
Minimum Frequency: Weekly	
Averaging Period: n/a	
Deviation Limit: Detectable gaps, cracks, and holes penetrating interior of tank. Max dev limit: 500 ppmv using VOC monitoring instrumentation and Test Method 21 protocol, while inspecting valves, flanges, press relief valves and connections. Odors, visible, audible emissions are reported as a deviation.	
Periodic Monitoring Text: Inspection of all tanks system components for evidence of leaks to include all covers or closures to insure no gaps, cracks, or holes penetrate to the interior of the tank. Inspection of pressure relief devices, flanges and all other components by VOC instrument using Test Method 21 protocol. Any leaks found are repaired and documented.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
75	N/A	30 TAC Chapter 115, Storage of VOCs	Capacity <25,000 gallons and located at a motor vehicle fuel dispensing facility.
75	N/A	40 CFR Part 60, Subpart K	Storage capacity < 40,000 gallons.
75	N/A	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gallons.
75	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 cubic meters.
76	N/A	40 CFR Part 60, Subpart K	Storage capacity < 40,000 gallons.
76	N/A	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gallons.
76	N/A	40 CFR Part 60, Subpart Kb	VOC stored < 15.0 kPa.
GRPBOILER1	CUP1, CUP2, CUP3, CUP4	30 TAC Chapter 115, Vent Gas Controls	Combustion unit exhaust stream is exempt. Unit is not being used as a control device for any vent gas stream.
GRPBOILER1	CUP1, CUP2, CUP3, CUP4	40 CFR Part 60, Subpart D	Heat input capacity < 250 MMBtu/hr.
GRPBOILER1	CUP1, CUP2, CUP3, CUP4	40 CFR Part 60, Subpart Da	Heat input capacity < 250 MMBtu/hr.
GRPBOILER1	CUP1, CUP2, CUP3, CUP4	40 CFR Part 60, Subpart Db	Heat input capacity < 100 MMBtu/hr.
GRPBOILER2	190315, 190316, 190317	30 TAC Chapter 115, Vent Gas Controls	Combustion unit exhaust stream is exempt. Unit is not being used as a control device for any vent gas stream.
GRPBOILER2	190315, 190316, 190317	40 CFR Part 60, Subpart D	Heat input capacity < 250 MMBtu/hr
GRPBOILER2	190315, 190316, 190317	40 CFR Part 60, Subpart Da	Heat input capacity < 250 MMBtu/hr

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPBOILER2	190315, 190316, 190317	40 CFR Part 60, Subpart Db	Heat input capacity < 100 MMBtu/hr
GRPBOILER3	190311, 190312, 190313, 190314	30 TAC Chapter 115, Vent Gas Controls	Combustion unit exhaust stream is exempt. Unit is not being used as a control device for any vent gas stream.
GRPBOILER3	190311, 190312, 190313, 190314	40 CFR Part 60, Subpart D	Heat input capacity < 250 MMBtu/hr
GRPBOILER3	190311, 190312, 190313, 190314	40 CFR Part 60, Subpart Da	Heat input capacity < 250 MMBtu/hr
GRPBOILER3	190311, 190312, 190313, 190314	40 CFR Part 60, Subpart Db	Heat input capacity < 100 MMBtu/hr
GRPBOILER4	156653, 182206, 182207, 202991, 41200	30 TAC Chapter 112, Sulfur Compounds	Steam generators do not fire liquid fuel
GRPBOILER4	156653, 182206, 182207, 202991, 41200	30 TAC Chapter 115, Vent Gas Controls	Combustion unit exhaust stream is exempt. Unit is not being used as a control device for any vent gas stream.
GRPBOILER4	156653, 182206, 182207, 202991, 41200	40 CFR Part 60, Subpart D	Heat input capacity < 250 MMBtu/hr
GRPBOILER4	156653, 182206, 182207, 202991, 41200	40 CFR Part 60, Subpart Da	Heat input capacity < 250 MMBtu/hr
GRPBOILER4	156653, 182206, 182207, 202991, 41200	40 CFR Part 60, Subpart Db	Heat input capacity < 100 MMBtu/hr

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPBOILER4	156653, 182206, 182207, 202991, 41200	40 CFR Part 60, Subpart Dc	Heat input capacity <10 MM Btu/hr
GRPCS	CS-1, CS-2	30 TAC Chapter 115, Degreasing Processes	Solvent is less than or equal to 0.6 psia as measured at 100 degrees Fahrenheit.
GRPEG1	COM-1, FAC-1, PESG, RE	30 TAC Chapter 115, Vent Gas Controls	Combustion unit exhaust stream is exempt. Unit is not being used as a control device for any vent gas stream.
GRPEG2	CUPEG2, DM5N-1, DM5N-2, DM5N-3, DM5S-1-1, DM5S-2-1, DM5S-2-2, DM6-1, DM6-2, DM6-3, DM6-4, FP-1, FP-2, KE-2, KW, PESG2, SB-1, SB-2, SB-3, SC-1, SC-4	30 TAC Chapter 115, Vent Gas Controls	Combustion unit exhaust stream is exempt. Unit is not being used as a control device for any vent gas stream
GRPTANKS1	D5NST1, D5SST1, D5SST2, KCST1, SBST1, SBST2	40 CFR Part 60, Subpart K	Tank does not store petroleum liquids
GRPTANKS1	D5NST1, D5SST1, D5SST2, KCST1, SBST1, SBST2	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquids
GRPTANKS1	D5NST1, D5SST1, D5SST2, KCST1, SBST1, SBST2	40 CFR Part 60, Subpart Kb	Storage capacity < 75 cubic meters.
GRPTANKS2	D5SST4, D6ST1, T47VOC, T48VOC, T49VOC, T50VOC, T51VOC, T52VOC, T54VOC, T55VOC, T58VOC	40 CFR Part 60, Subpart K	Tank does not store petroleum liquids

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS2	D5SST4, D6ST1, T47VOC, T48VOC, T49VOC, T50VOC, T51VOC, T52VOC, T54VOC, T55VOC, T58VOC	40 CFR Part 60, Subpart Ka	Tank does not store petroleum liquids
GRPTANKS2	D5SST4, D6ST1, T47VOC, T48VOC, T49VOC, T50VOC, T51VOC, T52VOC, T54VOC, T55VOC, T58VOC	40 CFR Part 60, Subpart Kb	Storage capacity < 75 cubic meters.
GRPTANKS3	T39VOC, T40VOC, T41VOC, T42VOC, T78VOC, T89VOC	40 CFR Part 60, Subpart K	Storage capacity < 40,000 gallons
GRPTANKS3	T39VOC, T40VOC, T41VOC, T42VOC, T78VOC, T89VOC	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gallons
GRPTANKS3	T39VOC, T40VOC, T41VOC, T42VOC, T78VOC, T89VOC	40 CFR Part 60, Subpart Kb	Storage capacity < 75 cubic meters.
GRPTANKS5	D6ST2, SCST1	40 CFR Part 60, Subpart K	Tanks do not store petroleum liquids
GRPTANKS5	D6ST2, SCST1	40 CFR Part 60, Subpart Ka	Tanks do not store petroleum liquids
GRPTANKS5	D6ST2, SCST1	40 CFR Part 60, Subpart Kb	Storage capacity < 75 cubic meters.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS6	T110VOC, T111VOC, T112VOC, T113VOC, T114VOC, T1VOC, T23VOC, T24VOC, T25VOC, T2VOC, T3VOC, T5VOC, T61VOC, T62VOC, T63VOC, T64VOC, T77VOC, T79VOC, T80VOC, T81VOC, T82VOC, T83VOC, T84VOC, T85VOC, T86VOC, T87VOC, T88VOC, T90VOC, T91VOC, T92VOC, T93VOC	30 TAC Chapter 115, Storage of VOCs	Storage capacity < 1,000 gallons and VOC stored <0.5 psia
GRPTANKS6	T110VOC, T111VOC, T112VOC, T113VOC, T114VOC, T1VOC, T23VOC, T24VOC, T25VOC, T2VOC, T3VOC, T5VOC, T61VOC, T62VOC, T63VOC, T64VOC, T77VOC, T79VOC, T80VOC, T81VOC, T82VOC, T83VOC, T84VOC, T85VOC, T86VOC, T87VOC, T88VOC, T90VOC, T91VOC, T92VOC, T93VOC	40 CFR Part 60, Subpart K	Storage capacity <40,000 gallons

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
GRPTANKS6	T110VOC, T111VOC, T112VOC, T113VOC, T114VOC, T1VOC, T23VOC, T24VOC, T25VOC, T2VOC, T3VOC, T5VOC, T61VOC, T62VOC, T63VOC, T64VOC, T77VOC, T79VOC, T80VOC, T81VOC, T82VOC, T83VOC, T84VOC, T85VOC, T86VOC, T87VOC, T88VOC, T90VOC, T91VOC, T92VOC, T93VOC	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gallons.
GRPTANKS6	T110VOC, T111VOC, T112VOC, T113VOC, T114VOC, T1VOC, T23VOC, T24VOC, T25VOC, T2VOC, T3VOC, T5VOC, T61VOC, T62VOC, T63VOC, T64VOC, T77VOC, T79VOC, T80VOC, T81VOC, T82VOC, T83VOC, T84VOC, T85VOC, T86VOC, T87VOC, T88VOC, T90VOC, T91VOC, T92VOC, T93VOC	40 CFR Part 60, Subpart Kb	Storage capacity < 75 cubic meters.
T100VOC	N/A	40 CFR Part 60, Subpart K	Storage capacity < 40,000 gallons.
T100VOC	N/A	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gallons.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T100VOC	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 75 cubic meters.
T101VOC	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40,000 gallons.
T101VOC	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40,000 gallons.
T101VOC	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is < 75 cubic meters
T102VOC	N/A	40 CFR Part 60, Subpart K	Storage capacity is < 40,000 gallons.
T102VOC	N/A	40 CFR Part 60, Subpart Ka	Storage capacity is < 40,000 gallons.
T102VOC	N/A	40 CFR Part 60, Subpart Kb	Stgorage capacity < 75 cubic meters.
T103VOC	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids and capacity is < 40,000 gallons
T103VOC	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids and capacity is < 40,000 gallons
T103VOC	N/A	40 CFR Part 60, Subpart Kb	Does not store petroleum liquids and capacity is < 75 cubic meters.
T120VOC	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids and capacity is < 40,000 gallons
T120VOC	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids and capacity is < 40,000 gallons
T120VOC	N/A	40 CFR Part 60, Subpart Kb	Does not store petroleum liquids and capacity is < 75 cubic meters

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
T121VOC	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids and capacity is < 40,000 gallons
T121VOC	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids and capacity is < 40,000 gallons
T121VOC	N/A	40 CFR Part 60, Subpart Kb	Does not store petroleum liquids and capacity is < 75 cubic meters
T122VOC	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids and capacity is < 40,000 gallons
T122VOC	N/A	40 CFR Part 60, Subpart Ka	Does not store petroleum liquids and capacity is < 40,000 gallons
T122VOC	N/A	40 CFR Part 60, Subpart Kb	Does not store petroleum liquids and capacity is < 75 cubic meters
T123VOC	N/A	40 CFR Part 60, Subpart K	Does not store petroleum liquids and capacity is < 40,000 gallons
T123VOC	N/A	40 CFR Part 60, Subpart Kb	Does not store petroleum liquids and capacity is < 75 cubic meters
T74VOC	N/A	40 CFR Part 60, Subpart K	Storage capacity is less than 40,000 gallons
T74VOC	N/A	40 CFR Part 60, Subpart Ka	Storage capacity < 40,000 gallons.
T74VOC	N/A	40 CFR Part 60, Subpart Kb	Storage capacity < 75 cubic meters.

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Nonattainment (NA) Permits	
NA Permit No.: N038	Issuance Date: 12/15/2014
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 16786	Issuance Date: 12/15/2014
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.122	Version No./Date: 09/04/2000
Number: 106.225	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.373	Version No./Date: 09/04/2000
Number: 106.472	Version No./Date: 03/14/1997
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.476	Version No./Date: 09/04/2000
Number: 106.478	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 03/14/1997
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.533	Version No./Date: 07/04/2004

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
101	DALLAS SUPPORT BUILDING STACK	16786, N038
103	DALLAS SUPPORT BUILDING STACK	16786, N038
11	FACILITY BUILDING VENT	16786, N038
156653	SOUTH BLDG HOT WATER BOILER NO. 1 (0.97MMBTU/HR)	16786, N038
182206	TEXINS BUILDING BOILER (O.75MMBTU/HR)	16786, N038
182207	TETEXINS BUILDING BOILER (O.75 MMBTU/HR)	16786, N038
190311	DMOS VI BOILER	16786, N038
190312	DMOS VI BOILER	16786, N038
190313	DMOS VI BOILER	16786, N038
190314	DMOS VI BOILER	16786, N038
190315	DMOS VI BOILER	16786, N038
190316	DMOS VI BOILER	16786, N038
190317	DMOS VI BOILER	16786, N038
19A	SOUTH BUILDING PROCESS VENT	16786, N038
19B	SOUTH BUILDING PROCESS VENT	16786, N038
202991	HEALTH CENTER BOILER	16786, N038
204	SOUTH BUILDING PROCESS VENT	16786, N038
205	SOUTH BUILDING PROCESS VENT	16786, N038

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
206	SOUTH BUILDING PROCESS VENT	16786, N038
207	SOUTH BUILDING PROCESS VENT	16786, N038
208	DMOS5S INORGANIC STACK	16786, 106.225/09/04/2000, N038
209	DMOS5S INORGANIC STACK	16786, 106.225/09/04/2000, N038
210	DMOS5S THERMAL OXIDIZER STACK	16786, N038
213	SOLVENT REPACK BUILDING VENT	16786, N038
217	SOUTH BUILDING PROCESS VENT	16786, N038
218	DMOS5S THERMAL OXIDIZER STACK	16786, N038
219	DMOS5S INORGANIC STACK	16786, N038
220	DMOS5S INORGANIC STACK	16786, N038
221A	DMOS 6 BUILDING THERMAL OXIDIZER STACK	16786, N038
221B	DMOS 6 BUILDING THERMAL OXIDIZER STACK	16786, N038
221C	DMOS 6 BUILDING THERMAL OXIDIZER STACK	16786, N038
221D	DMOS 6 BUILDING PROCESS VENT	16786, N038
222	DMOS 6 BUILDING INORGANIC STACK	16786, N038
223	DMOS 6 BUILDING INORGANIC STACK	16786, N038
224	DMOS 6 BUILDING INORGANIC STACK	16786, N038
225	SOUTH BLDG PROCESS VENT, THERMAL OXIDIZER STACK	16786, N038

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
226	KILBY CENTER INORGANIC STACK	16786, N038
227B	KILBY BUILDING THERMAL OXIDIZER STACK	16786, N038
228A	SC BUILDING PROCESS VENT	16786, N038
228B	SC BUILDING THERMAL OXIDIZER STACK	16786, N038
228C	SC BUILDING THERMAL OXIDIZER STACK	16786, N038
229A	SC BUILDING INORGANIC STACK	16786, N038
229	SC BUILDING INORGANIC STACK	16786, N038
230	SC BUILDING INORGANIC STACK	16786, N038
234	KILBY BUILDING INORGANIC STACK	16786, N038
238	DMOS5N INORGANIC STACK	16786, N038
239	DMOS5N INORGANIC STACK	16786, N038
26C	SOUTH BUILDING PROCESS VENT	16786, N038
2B	SOUTH BUILDING PROCESS VENT	16786, N038
32A	SOUTH BUILDING PROCESS VENT	16786, N038
32C	SOUTH BUILDING PROCESS VENT	16786, N038
32D	SOUTH BUILDING PROCESS VENT	16786, N038
36	SOUTH BUILDING PROCESS VENT	16786, N038
40E1	DMOS5N THERMAL OXIDIZER STACK	16786, N038

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
40E2	DMOS5N PROCESS VENT	16786, N038
40E3	DMOS5N THERMAL OXIDIZER STACK	16786, N038
40E4	DMOS5N PROCESS VENT	16786, N038
41200	SOUTH BLDG MAIN STEAM BOILER #1(0.153 MMBTU/HR)	16786, N038
52	FACILITY BUILDING VENT	16786, N038
53A	SOUTH BUILDING PROCESS VENT	16786, N038
53B	SOUTH BUILDING PROCESS VENT	16786, N038
60	SOUTH BUILDING PROCESS VENT	16786, N038
62	SOUTH BUILDING PROCESS VENT	16786, N038
74	TIME BUILDING VENT	16786, N038
75	FLEET MAINTENANCE GASOLINE TANK	16786, N038
76	FLEET MAINTENANCE DIESEL TANK	16786, N038
77	CUP COOLING TOWER	16786, N038
COM-1	COMMUNICATIONS TWR EMER GENERATOR (80 HP)	106.511/03/14/1997
CS-1	COLD SOLVENT DEGREASER	16786, N038
CS-2	COLD SOLVENT DEGREASER	16786, N038
CUP1	CENTRAL UTILITIES PLANT BOILER #1	16786, N038
CUP2	CENTRAL UTILITIES PLANT BOILER #2	16786, N038

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
CUP3	CENTRAL UTILITIES PLANT BOILER #3	16786, N038
CUP4	CENTRAL UTILITIES PLANT BOILER #4	16786, N038
CUPEG2	EMERGENCY GENERATOR (CUP BUILDING)	106.511/09/04/2000
CWT-1	INDUSTRIAL WASTE TREATMENT EG-1	106.511/03/14/1997
D5NAM2	DMOS5N INORGANIC STACK	16786, N038
D5NAM	DMOS5N INORGANIC STACK	16786, N038
D5NST1	DMOS5S WASTE SOLVENT STORAGE TANK	16786, N038
D5SST1	DMOS5S WASTE SOLVENT STORAGE TANK	16786, N038
D5SST2	DMOS5S WASTE SOLVENT STORAGE TANK	16786, N038
D5SST4	IPA STORAGE TANK	16786, N038
D6ST1	WASTE SOLVENT STORAGE TANK	16786, N038
D6ST2	WASTE SOLVENT STORAGE TANK	16786, N038
DM5N-1	EMERGENCY GENERATOR (DMOS5N)	106.511/03/14/1997
DM5N-2	EMERGENCY GENERATOR (DMOS5N)	106.511/03/14/1997
DM5N-3	EMERGENCY GENERATOR (DMOS5N)	106.511/03/14/1997
DM5NGEN1	DMOS5N GENERAL VENT	16786, N038
DM5NGEN2	DMOS5N GENERAL VENT	16786, N038
DM5S-1-1	EMERGENCY GENERATOR (DMOS5S)	106.511/03/14/1997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
DM5S-2-1	EMERGENCY GENERATOR (DMOS5S)	106.511/03/14/1997
DM5S-2-2	EMERGENCY GENERATOR (DMOS5S)	106.511/03/14/1997
DM5SGEN1	DMOS5S GENERAL VENT	16786, N038
DM5SGEN2	DMOS5S GENERAL VENT	16786, N038
DM5SGEN3	DMOS5S GENERAL VENT	16786, N038
DM6-1	EMERGENCY GENERATOR (DMOS6)	106.511/03/14/1997
DM6-2	EMERGNECY GENERATOR (DMOS6)	106.511/03/14/1997
DM6-3	EMERGENCY GENERATOR (DMOS6)	106.511/03/14/1997
DM6-4	EMERGENCY GENERATOR (DMOS6)	106.511/03/14/1997
DM6GEN1	DMOS 6 BUILDING GENERAL VENT	16786, N038
FAC-1	FACILITY BLDG EMERGENCY GENERATOR (150 HP)	106.511/03/14/1997
FAC-2	EMERGENCY GENERATOR	106.511/09/04/2000
FP-1	EMERGENCY FIRE PUMP	106.511/09/04/2000
FP-2	EMERGENCY FIRE PUMP	106.511/09/04/2000
KCGEN	KILBY GENERAL VENT	16786, N038
KCST1	WASTE SOLVENT STORAGE TANK	16786, N038
KE-2	EMERGENCY GENERATOR (KILBY EAST)	106.511/09/04/2000
KW	EMERGENCY GENERATOR	106.511/03/14/1997

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
PESG2	PORTABLE/EMERGENCY STANDBY GENERATORS	106.511/09/04/2000
PESG	PORTABLE/EMERGENCY STANDBY GENERATORS	106.511/03/14/1997
RE	RESEARCH EAST BLDG EMERGENCY GENERATOR	106.511/03/14/1997
S28	SOUTH BUILDING PROCESS VENT	16786, N038
SB-1	EMERGENCY GENERATOR (SOUTH BUILDING)	106.511/03/14/1997
SB-2	EMERGENCY GENERATOR (SOUTH BUILDING)	106.511/03/14/1997
SB-3	EMERGENCY GENERATOR (SOUTH BUILDING)	106.511/09/04/2000
SBGAR	EMERGENCY GENERATOR (SOUTH)	106.511/03/14/1997
SBGEN	SOUTH BUILDING GENERAL VENT	16786, N038
SBST1	WASTE SOLVENT STORAGE TANK (SOUTH BUILDING)	16786, N038
SBST2	WASTE SOLVENT STORAGE TANK (SOUTH BUILDING)	16786, N038
SC-1	SC BUILDING EMERGENCY GENERATOR	106.511/03/14/1997
SC-2	SC BUILDING EMERGENCY GENERATOR	106.511/03/14/1997
SC-3	SC BUILDING EMERGENCY GENERATOR 3	106.511/03/14/1997
SC-4	SC BUILDING EMERGENCY GENERATOR 4	106.511/03/14/1997
SCGEN1	SC BUILDING GENERAL VENT	16786, N038
SCGEN2	SC BUILDING GENERAL VENT	16786, N038
SCGEN3	SC BUILDING GENERAL VENT	16786, N038

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
SCST1	WASTE SOLVENT STORAGE TANK	16786, N038
T100VOC	VOC STORAGE TANK	106.472/09/04/2000
T101VOC	VOC STORAGE TANK	106.472/09/04/2000
T102VOC	VOC STORAGE TANK	106.472/09/04/2000
T103VOC	STORAGE TANK	106.472/09/04/2000
T110VOC	EG DIESEL TANK T110	106.472/03/14/1997
T111VOC	EG DIESEL TANK T111	106.472/03/14/1997
T112VOC	EG DIESEL TANK T112	106.472/03/14/1997
T113VOC	EG DIESEL TANK T113	106.472/03/14/1997
T114VOC	EG DIESEL TANK T114	106.472/03/14/1997
T120VOC	VOC STORAGE TANK	106.478/09/04/2000
T121VOC	VOC STORAGE TANK	106.476/09/04/2000
T122VOC	VOC STORAGE TANK	106.476/09/04/2000
T123VOC	VOC STORAGE TANK	106.476/09/04/2000
T1VOC	DIESEL STORAGE TANK	16786, N038
T23VOC	DIESEL STORAGE TANK	16786, N038
T24VOC	DIESEL STORAGE TANK	106.472/09/04/2000
T25VOC	DIESEL STORAGE TANK	106.472/09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
T2VOC	DIESEL STORAGE TANK	16786, N038
T39VOC	DIESEL STORAGE TANK	16786, N038
T3VOC	DIESEL STORAGE TANK	16786, N038
T40VOC	DIESEL STORAGE TANK	16786, N038
T41VOC	DIESEL STORAGE TANK	16786, N038
T42VOC	DIESEL STORAGE TANK	16786, N038
T47VOC	VOC STORAGE TANK	16786, N038
T48VOC	VOC STORAGE TANK	16786, N038
T49VOC	VOC STORAGE TANK	16786, N038
T50VOC	VOC STORAGE TANK	16786, N038
T51VOC	VOC STORAGE TANK	16786, N038
T52VOC	VOC STORAGE TANK	16786, N038
T54VOC	VOC STORAGE TANK	16786, N038
T55VOC	VOC STORAGE TANK	16786, N038
T58VOC	GROUND WATER TANK	16786, N038
T5VOC	VOC STORAGE TANK	16786, N038
T61VOC	DIESEL STORAGE TANK	16786, N038
T62VOC	DIESEL STORAGE TANK	16786, N038

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
T63VOC	DIESEL STORAGE TANKS	16786, N038
T64VOC	DIESEL STORAGE TANK	16786, N038
T74VOC	DIESEL STORAGE TANK	16786, N038
T77VOC	DIESEL FUEL STORAGE TANK	16786, N038
T78VOC	DIESEL FUEL STORAGE TANK	16786, N038
T79VOC	DIESEL FUEL STORAGE TANK	16786, N038
T80VOC	DIESEL FUEL STORAGE TANK	16786, N038
T81VOC	DIESEL FUEL STORAGE TANK	16786, N038
T82VOC	DIESEL STORAGE TANK	16786, N038
T83VOC	DIESEL FUEL STORAGE TANK	16786, N038
T84VOC	DIESEL FUEL STORAGE TANK	16786, N038
T85VOC	DIESEL FUEL STORAGE TANK	16786, N038
T86VOC	DIESEL FUEL STORAGE TANK	16786, N038
T87VOC	DIESEL FUEL STORAGE TANK	16786, N038
T88VOC	DIESEL FUEL STORAGE TANK	16786, N038
T89VOC	DIESEL FUEL STORAGE TANK	16786, N038
T90VOC	DIESEL FUEL STORAGE TANK	16786, N038
T91VOC	DIESEL FUEL STORAGE TANK	16786, N038

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
T92VOC	DIESEL FUEL STORAGE TANK	16786, N038
T93VOC	DIESEL FUEL STORAGE TANK	16786, N038
TIMEGEN1	TIME BUILDING VOC VENT	106.261/09/04/2000
UNIT1	AIR STRIPPER	16786, N038

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
COMS ..... continuous opacity monitoring system
CVS ..... closed-vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
DR ..... Designated Representative
ElP ..... El Paso (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
GF ..... grandfathered
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MMBtu/hr ..... Million British thermal units per hour
MRRT ..... monitoring, recordkeeping, reporting, and testing
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PM ..... particulate matter
ppmv ..... parts per million by volume
PSD ..... prevention of significant deterioration
RO ..... Responsible Official
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Number: 16786 and NO38			Issuance Date: December 15, 2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
2B, 19A, 19B, 26C, 32A, 32C, 32D, 36, 53A, 53B, 60, 62, S28, 217, 225, 204, 205, 206, 207, SBGEN, 226, 227B, 234, KCGEN	South and Kilby Wafer Fab	VOC	0.01 (3) 13.03 (4) 41.07 (5) 14.28 (8)	33.40 (4) 0.01 (3)	12, 8	12, 13, 8	12
2B, 19A, 19B, 26C, 32A, 32C, 32D, 36, 53A, 53B, 60, 62, S28, 217, 225, 204, 205, 206, 207, SBGEN, 226, 227B, 234, KCGEN	South and Kilby Wafer Fab	Exempt VOC	18.65 (4) 9.90 (5) 13.69 (8)	77.90 (4)	12, 8	12, 13, 8	12
2B, 19A, 19B, 26C, 32A, 32C, 32D, 36, 53A, 53B, 60, 62, S28, 217, 225, 204, 205, 206, 207, SBGEN, 226, 227B, 234, KCGEN	South and Kilby Wafer Fab	PM/PM2.5/PM10	2.93 0.13 (3)	7.63 0.44 (3)	5	13, 5	
2B, 19A, 19B, 26C, 32A, 32C, 32D, 36, 53A, 53B, 60, 62, S28, 217, 225, 204, 205, 206, 207, SBGEN, 226, 227B, 234, KCGEN	South and Kilby Wafer Fab	GIC	10.99	35.63	12, 9	12, 13, 9	12
2B, 19A, 19B, 26C, 32A, 32C, 32D, 36, 53A, 53B, 60, 62, S28, 217, 225, 204, 205, 206, 207, SBGEN, 226, 227B, 234, KCGEN	South and Kilby Wafer Fab	CO	0.40 6.06 (3)	1.76 26.54 (3)		13	

Permit Number: 16786 and NO38			Issuance Date: December 15, 2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
2B, 19A, 19B, 26C, 32A, 32C, 32D, 36, 53A, 53B, 60, 62, S28, 217, 225, 204, 205, 206, 207, SBGEN, 226, 227B, 234, KCGEN	South and Kilby Wafer Fab	NOx	0.06 6.96 (3)	0.26 30.45 (3)		13	
2B, 19A, 19B, 26C, 32A, 32C, 32D, 36, 53A, 53B, 60, 62, S28, 217, 225, 204, 205, 206, 207, SBGEN, 226, 227B, 234, KCGEN	South and Kilby Wafer Fab	SO2	0.06 (3)	0.22 (3)		13	
238, 239, D5NAM, D5NAM2, 40E1, 40E2, 40E3, 40E4, DM5NGEN1, DM5NGEN2, 208, 209, 210, 218, 219, 220, DM5SGEN1, DM5SGEN2, DM5SGEN3, DM5SGEN4	DMOS5 Wafer Fab	VOC	0.01 (3) 9.81 (4) 71.45 (5)	0.01 (3) 37.92 (4)	12, 8	12, 13, 8	12
238, 239, D5NAM, D5NAM2, 40E1, 40E2, 40E3, 40E4, DM5NGEN1, DM5NGEN2, 208, 209, 210, 218, 219, 220, DM5SGEN1, DM5SGEN2, DM5SGEN3, DM5SGEN4	DMOS5 Wafer Fab	Exempt VOC	23.91 (4) 30.01 (5)	104.04 (4)	12, 8	12, 13, 8	12

Permit Number: 16786 and NO38			Issuance Date: December 15, 2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
238, 239, D5NAM, D5NAM2, 40E1, 40E2, 40E3, 40E4, DM5NGEN1, DM5NGEN2, 208, 209, 210, 218, 219, 220, DM5SGEN1, DM5SGEN2, DM5SGEN3, DM5SGEN4	DMOS5 Wafer Fab	PM/PM2.5/PM10	1.41 0.13 (3)	5.10 0.49 (3)	5	13, 5	
238, 239, D5NAM, D5NAM2, 40E1, 40E2, 40E3, 40E4, DM5NGEN1, DM5NGEN2, 208, 209, 210, 218, 219, 220, DM5SGEN1, DM5SGEN2, DM5SGEN3, DM5SGEN4	DMOS5 Wafer Fab	GIC	8.85	34.63	12, 9	12, 13, 9	12
238, 239, D5NAM, D5NAM2, 40E1, 40E2, 40E3, 40E4, DM5NGEN1, DM5NGEN2, 208, 209, 210, 218, 219, 220, DM5SGEN1, DM5SGEN2, DM5SGEN3, DM5SGEN4	DMOS5 Wafer Fab	CO	0.76 8.99 (3)	3.36 39.35 (3)		13	
238, 239, D5NAM, D5NAM2, 40E1, 40E2, 40E3, 40E4, DM5NGEN1, DM5NGEN2, 208, 209, 210, 218, 219, 220, DM5SGEN1, DM5SGEN2, DM5SGEN3, DM5SGEN4	DMOS5 Wafer Fab	NOx	0.10 9.87 (3)	0.44 43.20 (3)		13	

Permit Number: 16786 and NO38			Issuance Date: December 15, 2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
238, 239, D5NAM, D5NAM2, 40E1, 40E2, 40E3, 40E4, DM5NGEN1, DM5NGEN2, 208, 209, 210, 218, 219, 220, DM5SGEN1, DM5SGEN2, DM5SGEN3, DM5SGEN4	DMOS5 Wafer Fab	SO2	0.02 (3)	0.04 (3)		13	
221A, 221B, 221C, 221D, 222, 223, 224, 251A, 251B, 251C, and DM6GEN1	DMOS6 Wafer Fab	VOC	<0.01 (3) 4.98 (4) 35.20 (8)	<0.01 (3) 20.88 (4)	12, 8	12, 13, 8	12
221A, 221B, 221C, 221D, 222, 223, 224, 251A, 251B, 251C, and DM6GEN1	DMOS6 Wafer Fab	Exempt VOC	10.51 (4) 12.95 (8)	46.01 (4)	12, 8	12, 13, 8	12
221A, 221B, 221C, 221D, 222, 223, 224, 251A, 251B, 251C, and DM6GEN1	DMOS6 Wafer Fab	PM/PM2.5/PM10	0.47 0.05 (3)	2.07 0.17 (3)	5	13, 5	
221A, 221B, 221C, 221D, 222, 223, 224, 251A, 251B, 251C, and DM6GEN1	DMOS6 Wafer Fab	GIC	6.58	23.11	12, 9	12, 13, 9	12
221A, 221B, 221C, 221D, 222, 223, 224, 251A, 251B, 251C, and DM6GEN1	DMOS6 Wafer Fab	CO	0.38 2.33 (3)	1.68 10.21 (3)		13	
221A, 221B, 221C, 221D, 222, 223, 224, 251A, 251B, 251C, and DM6GEN1	DMOS6 Wafer Fab	NOx	0.05 1.85 (3)	0.22 8.12 (3)		13	
221A, 221B, 221C, 221D, 222, 223, 224, 251A, 251B, 251C, and DM6GEN1	DMOS6 Wafer Fab	SO2	0.01 (3)	0.01 (3)		13	

Permit Number: 16786 and NO38			Issuance Date: December 15, 2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
228A, 228B, 228C, 229, 229A, 230, SCGEN1, SCGEN2, SCGEN3	SC Wafer Fab	VOC	0.01 (3) 3.23 (4) 15.06 (5)	0.04 (3) 11.91 (4)	12, 8	12, 13, 8	12
228A, 228B, 228C, 229, 229A, 230, SCGEN1, SCGEN2, SCGEN3	SC Wafer Fab	Exempt VOC	0.47 (4) 4.79 (5)	2.02 (4)	12, 8	12, 13, 8	12
228A, 228B, 228C, 229, 229A, 230, SCGEN1, SCGEN2, SCGEN3	SC Wafer Fab	GIC	0.86	3.55	12, 9	12, 13, 9	12
228A, 228B, 228C, 229, 229A, 230, SCGEN1, SCGEN2, SCGEN3	SC Wafer Fab	PM/PM2.5/PM10	0.2 (3)	0.06 (3)	5	13, 5	
228A, 228B, 228C, 229, 229A, 230, SCGEN1, SCGEN2, SCGEN3	SC Wafer Fab	NOx	0.68 (3)	3.00 (3)		13	
228A, 228B, 228C, 229, 229A, 230, SCGEN1, SCGEN2, SCGEN3	SC Wafer Fab	CO	0.58 (3)	2.52 (3)		13	
228A, 228B, 228C, 229, 229A, 230, SCGEN1, SCGEN2, SCGEN3	SC Wafer Fab	SO2	<0.01 (3)	<0.01 (3)		13	
S28, 40E1, 40E2, 40E3, 40E4, 210, 218, 221A, 221B, 221C, 221D, 227B, 228A, 228B, 228C	South and Kilby, DMOS5, DMOS6, SC Wafer Fabs	VOC		22.00 (8)	8	13, 8	12
S28, 40E1, 40E2, 40E3, 40E4, 210, 218, 221A, 221B, 221C, 221D, 227B, 228A, 228B, 228C	South and Kilby, DMOS5, DMOS6, SC Wafer Fabs	Exempt VOC		1.60 (8)	8	13, 8	12

Permit Number: 16786 and NO38			Issuance Date: December 15, 2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
101, 103	Dallas Support Building	VOC	0.36	0.94		13	
101, 103	Dallas Support Building	Exempt VOC	0.42	1.85		13	
101, 103	Dallas Support Building	GIC	0.01	0.02		13	
11, 52	Facilities Building	VOC	0.30	1.24		13	
		Exempt VOC	0.03	0.13		13	
		GIC	0.11	0.23		13	
74	Time Building	VOC	1.06	2.31		13	
		GIC	0.15	0.34		13	
213	Solvent Building	VOC	1.75	6.86		13	
		Exempt VOC	1.00	2.00		13	
		GIC	<0.01	<0.01		13	
CUP1, CUP2, CUP3, CUP4	Central Utility Plant	VOC	1.00 1.71 (6)	4.38 7.25 (7)		13	
CUP1, CUP2, CUP3, CUP4	Central Utility Plant	Exempt VOC	4.95	13.02		13	
CUP1, CUP2, CUP3, CUP4	Central Utility Plant	GIC	0.01	<0.01		13	
CUP1, CUP2, CUP3, CUP4	Central Utility Plant	PM/PM2.5/PM10	7.26 (6)	11.21 (7)	5	13, 5	
CUP1, CUP2, CUP3, CUP4	Central Utility Plant	NOx	36.98 (6)	86.42 (7)		13	
CUP1, CUP2, CUP3, CUP4	Central Utility Plant	CO	11.71 (6)	51.24 (7)		13	
CUP1, CUP2, CUP3, CUP4	Central Utility Plant	SO2	177.48 (6)	31.94 (7)		13	
41200, 156653, 182206, 182207, 190311, 190312, 190313, 190314, 190315, 190316, 190317, 202911	12 Boilers (Other than in Central Utility Plant)	VOC	0.76 (6)	3.25 (9)		13	

Permit Number: 16786 and NO38			Issuance Date: December 15, 2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
41200, 156653, 182206, 182207, 190311, 190312, 190313, 190314, 190315, 190316, 190317, 202911	12 Boilers (Other than in Central Utility Plant)	PM/PM2.5/PM10	3.24 (6)	4.66 (9)	5	13, 5	
41200, 156653, 182206, 182207, 190311, 190312, 190313, 190314, 190315, 190316, 190317, 202911	12 Boilers (Other than in Central Utility Plant)	NOx	19.70 (6)	32.26 (9)		13	
41200, 156653, 182206, 182207, 190311, 190312, 190313, 190314, 190315, 190316, 190317, 202911	12 Boilers (Other than in Central Utility Plant)	CO	11.49 (6)	49.51 (9)		13	
41200, 156653, 182206, 182207, 190311, 190312, 190313, 190314, 190315, 190316, 190317, 202911	12 Boilers (Other than in Central Utility Plant)	SO2	44.76 (6)	3.95 (9)		13	
Attachment 1	69 Fuel and Process Material Storage Tanks	VOC	3.21	6.03		13	
Attachment 1	69 Fuel and Process Material Storage Tanks	Exempt VOC	0.35	0.44		13	
Attachment 1	69 Fuel and Process Material Storage Tanks	GIC	<0.01	0.04		13	
Site	Degreasers, Inorganics Storage Tanks, Cooling Towers, Wastewater Neutralization Systems, Labs, Cafeterias, and Remediation	VOC	0.7	1.55		13	

Permit Number: 16786 and NO38			Issuance Date: December 15, 2014				
Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *		Monitoring and Testing Requirements	Recordkeeping Requirements	Reporting Requirements
			lb/hr	TPY**	Spec. Cond.	Spec. Cond.	Spec. Cond.
Site	Degreasers, Inorganics Storage Tanks, Cooling Towers, Wastewater Neutralization Systems, Labs, Cafeterias, and Remediation	Exempt VOC	0.13	0.26		13	
Site	Degreasers, Inorganics Storage Tanks, Cooling Towers, Wastewater Neutralization Systems, Labs, Cafeterias, and Remediation	PM/PM2.5/PM10	0.03	0.15	5	13, 5	
Site	Degreasers, Inorganics Storage Tanks, Cooling Towers, Wastewater Neutralization Systems, Labs, Cafeterias, and Remediation	GIC	0.01	0.01		13	
All Applicable Sources	All TI Sources at Site	Single HAP		<10.00		13	
All Applicable Sources	All TI Sources at Site	All HAP		<25.00		13	

Footnotes:

(3) Combustion product.
(4) Rate during normal operation with thermal oxidizer(s).
(5) Rate during scheduled maintenance on thermal oxidizer(s) or gas curtailments.
(6) Rate from burning No. 2 fuel oil.
(7) Rate from burning natural gas and No. 2 fuel oil.
(8) Rate during scheduled maintenance on thermal oxidizers, gas curtailments, and switching to backup thermal oxidizers.
(9) Rate from burning natural gas and No. 2 fuel oil.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 15, 2014

MR DAVID THOMAS
VICE PRESIDENT
TEXAS INSTRUMENTS INCORPORATED
13500 N CENTRAL EXPY
DALLAS TX 75243-1108

Re: Permit Amendment and Renewal
Permit Numbers: 16786 and N038
Expiration Date: December 15, 2024
Texas Instruments Incorporated
Semiconductor Manufacturing Facility
Dallas, Dallas County
Regulated Entity Number: RN102505195
Customer Reference Number: CN600261416
Account Number: DB-0820-B

Dear Mr. Thomas:

This is in response to your Form PI-1 (General Application for Air Preconstruction Permits and Amendments) and Form PI-1R (General Application for Air Permit Renewals) concerning the proposed amendment and renewal of Permit Number 16786. We understand that you propose to re-authorize three rotary concentrator/thermal oxidizers that were never constructed, incorporate four standard permits and 24 permit by rule (PBR) registrations into the permit, void 36 PBR registrations for facilities no longer existing or that have been incorporated into the permit, and update modeling representations for DRS RSTA, Inc., which is included in the site single property designation . Also, this will acknowledge that your application for the above-referenced amendment and renewal is technically complete as of October 31, 2014.

In accordance with Title 30 Texas Administrative Code Section 116.116(b), and based on our review, Permit Number 16786 is hereby amended. Also, in accordance with 30 TAC Section 116.314(a), and based on our review, your permit is hereby renewed. In addition, with this permitting action, Standard Permit Registration Numbers 72196, 74498, 78106, and 79664 and Permit by Rule Registration Numbers 12836, 13000, 13624, 14241, 14326, 14356, 14582, 14959, 14996, 15561, 15563, 15564, 15565, 15566, 15567, 15568, 15569, 15570, 15571, 15572, 15573, 15574, 15575, 15576, 15577, 15578, 15579, 15671, 16457, 24774, 26520, 36799, 70969, 74564, 79218, and 95117 have been voided. This information will be incorporated into the existing permit file.

Enclosed are new general conditions (permit face), special conditions, and a maximum allowable emission rates table. We appreciate your careful review of the permit and assuring that all requirements are consistently met.

This amendment will be automatically void upon the occurrence of any of the following, as per 30 TAC Section 116.120(a):

1. Failure to begin construction of the changes authorized by this amendment within 18 months from the date of this authorization.

2. Discontinuance of construction of the changes authorized by this amendment for a period of 18 consecutive months or more.

3. Failure to complete the changes authorized by this amendment within a reasonable time.

Upon request, the Texas Commission on Environmental Quality (TCEQ) executive director may grant extensions as allowed in 30 TAC Section 116.120(b).

This permit will be in effect for ten years from the date of approval (Commission's final decision). If this permit is appealed and the permittee does not commence any action authorized by this permit during judicial review, the term will not begin until judicial review is concluded.

You may file a **motion to overturn** with the Chief Clerk. A motion to overturn is a request for the commission to review the executive director's decision. Any motion must explain why the commission should review the executive director's decision. According to 30 TAC Section 50.139, an action by the executive director is not affected by a motion to overturn filed under this section unless expressly ordered by the commission.

A motion to overturn must be received by the Chief Clerk within 23 days after the date of this letter. An original and 7 copies of a motion must be filed with the Chief Clerk in person, or by mail to the Chief Clerk's address on the attached mailing list. On the same day the motion is transmitted to the Chief Clerk, please provide copies to the applicant, the executive director's attorney, and the Public Interest Counsel at the addresses listed on the attached mailing list. If a motion to overturn is not acted on by the commission within 45 days after the date of this letter, then the motion shall be deemed overruled.

You may also request **judicial review** of the executive director's approval. According to Texas Health and Safety Code Section 382.032, a person affected by the executive director's approval must file a petition appealing the executive director's approval in Travis County district court within 30 days after the **effective date of the approval**. Even if you request judicial review, you still must exhaust your administrative remedies, which includes filing a motion to overturn in accordance with the previous paragraphs.

You are reminded that these facilities must be in compliance with all rules and regulations of the Texas Commission on Environmental Quality (TCEQ) and of the U.S. Environmental Protection Agency at all times.

If you have any questions, please contact Mr. Craig Richardson at (512) 239-1309 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/cr

Enclosures

cc: Section Manager, Air Pollution Control Program, City of Dallas Environmental and Health Services, Dallas
Air Section Manager, Region 4, Fort Worth

Project Numbers: 197998 and 197999

Special Conditions

Permit Numbers 16786 and N038

1. New Source Review Permit Number 16786 authorizes a semiconductor research and manufacturing plant at 13500 North Central Expressway in Dallas. This permit covers only those sources of emissions listed in the table entitled "Emission Sources - Maximum Allowable Emission Rates" (MAERT) and those sources are limited to the emission limits in the table. It does not cover the facilities authorized by permit by rule (PBR) under Title 30 Texas Administrative Code (30 TAC) Chapter 106 on Attachment 2, nor the planned maintenance, startup, and shutdown facilities/activities on Attachment 3.

2. Non-attainment New Source Review (NNSR) Permit N038 authorizes installation of two thermal oxidizers for SC Wafer Fab, one thermal oxidizer for Kilby Wafer Fab, one thermal oxidizer for DMOS5N Wafer Fab, and new equipment and increases in production in wafer fabrication buildings that will result in volatile organic compound (VOC) and nitrogen oxides (NO_x) annual emission increases. This NNSR permit is issued based on the permanent retirement of the Texas Commission on Environmental Quality (TCEQ) Emission Reduction Credit Certificate (ERCC) Nos. 1472, 1473, 1474, 1475, and 1652 for 65.2 tons per year (TPY) of VOC emissions and ERCC Nos. 1486, 1552, and 1553 for 19.4 TPY of NO_x emissions. These ERCCs provide offsets at the ratio of 1 to 1.2 for the 54.3 TPY of VOC and 16.4 TPY of NO_x emissions increases authorized by this permit.

3. The facilities owned or leased by Texas Instruments, Incorporated (Permit Number 16786); Raytheon Company, Inc. (Permit by Rule Registration Number 79454); DRS RSTA, Inc. (Permit Number 41451); and Air Liquide Electronics U.S. LP (Permit Number 36217) located at 13500 North Central Expressway, Dallas, Texas, have been designated as located on a single property for purposes of demonstrating compliance with the TCEQ regulations and the control of air emissions. If the owner of Permit Number 16786 seeks a change in emissions of an air contaminant that is or will be common to two or more of the single property designation parties, the owner will perform modeling of all sources for that air contaminant within the designated single property boundary when requested to do so by the Executive Director of the TCEQ.

4. Definitions.

   A. Wafer Fabrication Buildings: Buildings that contain the following operations associated with semiconductor manufacturing: chemical handling/distribution, photoresist, masking diffusion, metallization, passivation, implantation, plasma etching, wafer polishing, wafer cleaning and wet etching, chemical vapor deposition, testing, wet chemical deposition,

and/or oxidation. The wafer fabs within the buildings are the sources of air contaminants and include DMOS5, DMOS6, South and Kilby, and SC.

B. Support Buildings: Buildings that do not meet the definition of a wafer fabrication building. Support buildings include the Central Utility Plant, TI Mechanical Equipment (Time) Building, Facilities Building, Dallas Support Building, and Solvent Repack Building

C. Wet Scrubbers: Control equipment to minimize acid and caustic emissions from wafer fabrication buildings. These scrubbers do not include point-of-use scrubbers installed for internal safety and system reliability purposes.

D. Thermal Oxidizers: Control equipment to minimize VOC and exempt VOC emissions from wafer fabrication buildings. These oxidizers do not include point-of-use combustion devices installed for internal safety and system reliability purposes.

Emission Limitations

5. Opacity of emissions shall not exceed 5 percent averaged over a six minute period from any exhaust stack. This determination shall be made first by observing for visible emissions over a six-minute period while the facilities are in operation. Observations for the presence or absence of visible emissions shall be made at least 15 feet and no more than 0.25 mile from the stacks. If visible emissions are observed from any stack, then opacity shall be determined and documented within 24 hours using Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Contributions from uncombined water shall not be included in determining compliance with this condition. Observations shall be performed and recorded quarterly. If opacity exceeds 5 percent, corrective action to eliminate the visible emissions shall be taken promptly and documented within one week of observation.

Operating Limitations

6. Fuel for the thermal oxidizers shall be sweet natural gas as defined in 30 TAC § 101.1. Fuel for the steam boilers, engines, and turbine shall be sweet-natural gas, liquid petroleum gas, diesel, or No. 2 fuel oil. All liquid fuels must be first-run refinery grade and shall not consist of a blend containing waste oils or solvents.

7 Boilers.

A. The boilers in Wafer Fab DMOS6 shall be limited to burning No. 2 fuel oil on a rolling 12 month basis as follows:

(1) Emission Point Numbers (EPN) 190315, 190316, and 190317 – each 168 hours per year, and

(2) EPNs 190311, 190312, 190313, and 190314 – combined 504 hours per year.

B. The four boilers in the Central Utility Plant shall be limited to burning No. 2 fuel oil on a rolling 12-month basis to a combined 360 hours per year.

8. Thermal Oxidizers.

A. During normal thermal oxidizer operation a minimum retention chamber temperature of 1300°Fahrenheit shall be maintained for thermal oxidizers with rotary concentrators (RC/TO) and 1400°Fahrenheit for regenerative thermal oxidizers (RTO) or 700 °Fahrenheit for regenerative catalytic oxidizers (RCO). This requirement shall not apply during periods of scheduled maintenance, gas curtailments, or switching to backup thermal oxidizers.

B. Temperature control monitors shall be used to continuously measure, at least 95 percent of the time, the gas temperature in oxidizer retention chambers. Eight-hour averages may be used to determine compliance with Special Condition No. 8A. Data recorded during scheduled maintenance, continuous system breakdown and repair, calibration checks, and zero and span adjustments of the temperature monitors shall not be included.

C. During scheduled maintenance on oxidizers, gas curtailments, and switching to backup oxidizers or maintenance in South and Kilby, DMOS5, DMOS6, and SC Wafer Fabs:

(1) Unabated hourly emissions during these periods shall be limited for each wafer fab as shown on the MAERT.

(2) Unabated annual emissions during these periods shall be limited cumulatively for all wafer fabs as shown on MAERT.

D. Attachment 1 to these special conditions identifies the minimum number of thermal oxidizers needed to operate South and Kilby, DMOS5, DMOS6, and SC Wafer Fabs. If more than the minimum number of oxidizers have been operating at these wafer fabs, the number of oxidizers may be adjusted to the minimum number of thermal oxidizers needed, provided the emissions do not exceed the maximum allowable emission rates for the fabs. If the minimum number of oxidizers needed to operate the fabs changes, an alteration requesting revision of Attachment 1 shall be submitted within 30 days of the change.

E. Additional dual-wheel adsorption rotors or equivalent concentrators may be added to a wafer fabrication building without notice to the TCEQ. Also, switching between a RTO and a RCO may be performed without notice to the TCEQ.

9. Scrubbers.

A. Status of operating wet scrubbers shall be continuously monitored or checked daily for proper operation of fans and re-circulation pumps, and for either re-circulation flow rates or re-pump discharge pressures. The dry scrubbers shall be replaced every 18 months.

B. Attachment 1 to these special conditions identifies the minimum number of scrubbers needed to operate each wafer fab. If more than the minimum number of scrubbers have been operating at a wafer fab, the number of scrubbers may be adjusted to the minimum number of scrubbers needed, provided the emissions do not exceed the maximum allowable emission rates for the applicable wafer fab. If the minimum number of scrubbers needed to operate each wafer fab changes, an alteration requesting revision of Attachment 1 shall be submitted within 30 days of the change.

C. Additional scrubbers may be added to a wafer fabrication building provided that an alteration requesting revision of Attachment 1 is submitted within 30 days prior to scrubber installation. Table 13 or equivalent listing the scrubber parameters shall accompany the alteration request.

10. Emissions increases of air contaminants or emissions of air contaminants not represented in the November 2007 AERMOD modeling (submitted to TCEQ in February 2008 and approved in July 2008) are allowed provided the following criteria are met:

A. The air contaminants are emitted from the emission points included in the site-wide modeling cited above or as adjusted in accordance with Special Condition No. 11,

B. There is no change in the method of control of the air contaminants,

C. There is no increase in the annual TPY air contaminant emission rate as specified for each emission point in the MAERT, and

D. New emission rate (ER) or increase in ER of the individual air contaminants and effects screening levels (ESL) are as follows:

Emission Rate (lbs/hr)	Short-term ESL ($\mu g/m^3$)	Annual ESL ($\mu g/m^3$)
≤ 0.04	≥ 2 and < 500	≥ 0.2 and < 50
≤ 0.10	≥ 500 and < 3,500	≥ 50 and < 350
≤ 0.40	≥ 3,500	≥ 350

OR

The new ER or increase in ER of the individual air contaminants results in:

(1) $GLC_{max} \leq 2 \times ESL$, and

(2) $GLC_{ni} \leq ESL$

(3) Site-wide sulfuric acid $GLC_{max} \leq 50$ ug/m^3 (1-hour) and 15 ug/m^3 (24-hour)

Where:

GLC_{max} is the maximum off-property short-term ground level concentration.

GLC_{ni} is the off-property concentration at any non-industrial type receptor.

The ESL is on the most recently published ESL list. If the individual air contaminant is not on the list, an ESL shall be requested and obtained from the TCEQ Toxicology Division.

The site-wide refined modeling cited above shall be used for predicting GLC_{max} and GLC_{ni}..

The GLC_{max} and GLC_{ni} for water soluble inorganic fluorides (as equivalent hydrogen fluoride), hydrogen fluoride, and hydrofluoric acid shall be the sum of the GLC_{max} and GLC_{ni} of each compound. The resultant GLC_{max} and GLC_{ni} (as equivalent hydrogen fluoride) shall be compared to the ESL of hydrogen fluoride. This does not apply to non-water soluble inorganic fluorides.

11. Wafer manufacturing tools and equipment that are sources of emissions shall be allowed to be modified, added, and relocated in the wafer fabrication buildings. Addition of new or modification of existing exhaust stacks shall be allowed provided modeling is adjusted accordingly and emissions from them satisfy Special Condition No. 10.

Testing

12. Except as provided in Paragraph H below, initial testing of oxidation systems and wet scrubbers as identified below shall be performed to determine the hourly total VOC, exempt VOC, and water soluble gaseous inorganic compounds ERs and destruction efficiencies. Oxidizer destruction efficiencies shall be at least 95 percent and scrubber removal efficiencies shall be at least 99 percent of the target compound at highest inlet concentration or 90 percent during normal operating conditions. Dilute inlet concentrations of less than one part per million by volume may result in lower removal efficiencies:

Fab	RC/TO	RCO	Acid Scrubber	Caustic Scrubber
South and Kilby	1 (227B)	1 (225)	2 (S28)	
DMOS5	1 (40E3)	2 (210 & 218)	2 (239)	2 (D4AM2)
SC	1 (228C)			2 (SCAM)

A. The testing shall be conducted within 90 days of start of operation of the thermal oxidizers and/or scrubbers. If the oxidizer or scrubber is not operating at 50 percent design velocity within 90 days of start of operation, the testing may be postponed until at least 50 percent design velocity is reached. Testing shall be conducted within 90 days of reaching design velocity.

B. The wafer fab(s) shall be operating under normal conditions during stack emission testing. Current chemical usage rates and expected ERs shall be reviewed at the pretest meeting. The ratio of the measured usage and ERs to the permitted rates shall be calculated and included in the final sampling report. If the stack testing is conducted at usage rates which are not representative of those requested in the application, then additional stack testing may be required at a later date when higher usage and processing rates are achieved.

C. If sampling of gas streams on the inlet side of the oxidizer and/or scrubber results in levels below the threshold limit of the sampling equipment for the compound being sampled, then the requirement to determine destruction efficiency shall be waived.

D. For oxidizers, the temperature in the retention chamber shall be measured and recorded during each testing period.

E. For wet scrubbers, the recirculation pressure or flow of the scrubbing solution shall be measured and recorded during each testing period.

F. For RCOs, after satisfactory initial testing a sample of catalyst shall be analyzed annually to verify its effectiveness to achieve at least 95 percent destruction efficiency. Catalyst determined not to be effective shall be replaced.

G. The TCEQ Dallas/Fort Worth Regional Office shall be contacted as soon as the initial testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting. The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports.

   A written description of any proposed deviation from sampling procedures specified in permit conditions or the TCEQ or U.S. Environmental Protection Agency sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Dallas/Fort Worth Regional shall approve or disapprove of any deviation from specified sampling procedures.

H. Test reports shall comply with Chapter 14 of the TCEQ Sampling Procedures Manual. Within 45 days after sampling is completed, copies of the test report

shall be forwarded to the TCEQ Dallas/Fort Worth Regional Office and TCEQ Austin Air Permits Division.

I. Testing required by this special condition can be waived by the Director of the TCEQ Air Permits Division upon evidence that the add-on control equipment to be tested is substantially similar in design, capacity, and operating parameters as existing and previously tested controls at the site.

Recordkeeping

13. General Condition No. 7 on the permit face regarding information and data to be maintained on file is supplemented as follows and shall be used to demonstrate compliance with Special Condition Nos. 7, 8, 9, 10, 11, and 12 and the MAERT:

A. Semiannual process air contaminant usage for sources by emission points in pounds. Process air contaminant usage tabulations shall be completed and available no later than 75 days after the end of any semiannual period.

B. Semiannual calculations of ERs for all emission point groupings listed on the MAERT in lb/hr based on semiannual usage and operating hours and in TPY for any consecutive semiannual periods. Semiannual reports shall cover the periods of January 1 through June 30 and July 1 through December 31. Calculations shall be available no later than September 15 and March 15, respectively. The annual emissions inventory submitted to TCEQ may be used in place of the July through December semiannual report.

C. Semiannual calculations of hazardous air pollutant ERs in TPY for any consecutive semiannual periods.

D. Documentation, in electronic format or otherwise, showing composition of all materials that have the potential to emit air contaminants.

E. Records pertaining to changes in materials showing how the requirements in Special Condition No. 10 are satisfied and when the changes occurred.

F. Records pertaining to modification or relocation of wafer fabrication building exhaust stacks showing how the requirements in Special Condition No. 10 are satisfied and when the changes occurred.

G. Records documenting oxidizer retention chamber temperatures.

H. Records documenting hours of scheduled maintenance with unabated emissions for each RTO/RCO or RC/TO combination authorized for scheduled maintenance or downtime with unabated or partially abated emissions by Special Condition No. 8C and D.

I. Records documenting wet scrubber recirculation pump discharge pressure or flow and dry scrubber daily breakthrough checks.

J. Records of visible emissions/opacity observations and any corrective action taken.

K. Records of hours of burning No.2 fuel oil in DMOS6 boilers.

L. Reports of completed testing of add-on control systems.

Records required by the permit shall be maintained on-site for five years from their date of initiation.

Date: December 15, 2014

Attachment 1 to Special Conditions

Permit Numbers 16786 and N038

Baseline List of Add-on Controls

Wafer Fab	RTO/RCO [EPN]	RC/TO [EPN]	Acid Scrubber (Minimum) [EPN)]	Caustic Scrubber (Minimum)[EPN]	Oxidizers (Minimum)
South and Kilby	1 [225]	1 [227B]	20(10) [217 & S28]	7 (4) [204, 32A & 234]	1
DMOS5	2 [210 & 218]	2 [40E1 & 40E3]	17(12) [208, 209, 218, 238 & 239]	9(5) [D5NAM, D5NAM2 & 220]	3
DMOS6		3 [221A, 221B & 221C]	8(4) [222, 223, 251A, 251B & 251C]	3(2) [224]	1
SC		2 [228C]	3(2) [229 & 229A]	2(0) [230]	1

Baseline List of Sources

Source	Number of Buildings
DMOS5 Wafer Fab	2
DMOS6 Wafer Fab	1
South and Kilby Wafer Fab	3
SC Wafer Fab	1
Support Operations	5

Date: December 15, 2014

Attachment 2 to Special Conditions

Permit Numbers 16786 and N038

Facilities Authorized by Permit by Rule at the Site

ID	Description	PBR	VOC (TPY)	NO_x (TPY)	CO (TPY)	SO_2 (TPY)	PM (TPY)
CUPEG	CUP Emergency Generator (40 Hp)	106.511	0.01	0.06	0.01	<0.01	<0.01
CUPEG-2	CUP Emergency Generator (1135 Hp)	106.511	0.14	1.71	0.37	0.12	0.12
COM-1	Commo Tower Emergency Generator (80 Hp)	106.511	0.01	0.12	0.03	0.01	0.01
DM5N-1	DMOS5N Emergency Generator (900 Hp)	106.511	0.11	1.40	0.30	0.09	0.10
DM5N-2	DMOS5N Emergency Generator (900 Hp)	106.511	0.11	1.40	0.30	0.09	0.10
DM5N-3	DMOS5N Emergency Generator (2220 Hp)	106.511	0.27	3.40	0.74	0.23	0.24
DM5-1-1	DMOS5S Emergency Generator (2018 Hp)	106.511	0.25	3.13	0.67	0.21	0.22
DM5-2-1	DMOS5S Emergency Generator (2220 Hp)	106.511	0.27	3.40	0.74	0.23	0.24
DM5-2-2	DMOS5S Emergency Generator (2220 Hp)	106.511	0.27	3.40	0.74	0.23	0.24

ID	Description	PBR	VOC (TPY)	NO_x (TPY)	CO (TPY)	SO_2 (TPY)	PM (TPY)
DM6-1	DMOS6 Emergency Generator (2340 Hp)	106.511	0.29	3.63	0.78	0.24	0.26
DM6-2	DMOS6 Emergency Generator (2340 Hp)	106.511	0.29	3.63	0.78	0.24	0.26
DM6-3	DMOS6 Emergency Generator (2340 Hp)	106.511	0.29	3.63	0.78	0.24	0.26
DM6-4	DMOS6 Emergency Generator (2340 Hp)	106.511	0.29	3.63	0.78	0.24	0.26
FAC-1	Facility Building Emergency Generator (250 Hp)	106.511	0.03	0.24	0.15	<0.01	<0.01
FAC-2	Facility Building Emergency Generator (134 Hp)	106.511	0.03	0.42	0.09	0.03	0.03
FAC	Facility Building Emergency Generator (150 Hp)	106.511	<0.01	0.02	0.01	<0.01	<0.01
KE-2	Kilby East Emergency Generator (2347 Hp)	106.511	0.29	3.64	0.78	0.24	0.26
KW	Kilby West Emergency Generator (2340 Hp)	106.511	0.29	3.63	0.78	0.24	0.26

ID	Description	PBR	VOC (TPY)	NO_x (TPY)	CO (TPY)	SO_2 (TPY)	PM (TPY)
RE	Research East Building Emergency Generator (166 Hp)	106.511	0.02	0.26	0.06	0.02	0.02
SB-1	South Building Emergency Generator (1150 Hp)	106.511	0.14	1.78	0.38	0.12	0.13
SB-2	South Building Emergency Generator (1135 Hp)	106.511	0.14	1.76	0.38	0.12	0.12
SB-3	South Building Emergency Generator (2250 Hp)	106.511	0.28	3.49	0.75	0.28	0.23
SC-1	SC Building Emergency Generator (650 Hp)	106.511	0.08	1.04	0.22	0.07	0.07
SC-2	SC Building Emergency Generator (308.5 Hp)	106.511	0.03	0.48	0.10	0.03	0.03
SC-3	SC Building Emergency Generator (380 Hp)	106.511	0.09	1.18	0.25	0.08	0.08
SC-4	SC Building Emergency Generator (535 Hp)	106.511	0.13	1.66	0.36	0.11	0.12

ID	Description	PBR	VOC (TPY)	NO_x (TPY)	CO (TPY)	SO_2 (TPY)	PM (TPY)
SC-5	SC Building Emergency Generator (60 Hp)	106.511	0.01	0.19	0.04	0.01	0.01
FP	SC Building Fire Pump	106.511	0.05	0.80	0.17	0.06	0.06
FP-1	Site Fire Pump #1	106.511	0.03	0.47	0.10	0.03	0.03
FP-2	Site Fire Pump #2	106.511	0.03	0.47	0.10	0.03	0.03
SITE	Portable Emergency Generators, Compressors, Pumps	106.511	1.40	8.70	23.80	0.60	0.60
CWT-1	Central Waste Treat Plant Emergency Generator (324 Hp)	106.511	0.08	1.00	0.22	0.07	0.07
SC EG-RAY	Two Raytheon Emergency Generators	106.511	0.30	1.20	0.30	0.10	0.10
SITE	Portable Emergency Generators, Compressors, and Pumps	106.511	1,40	8.70	23.80	0.60	0.60

ID	Description	PBR	VOC (TPY)	NO_x (TPY)	INORG (TPY)	ExVOC (TPY)	PM (TPY)
SITE	Routine Campus Maintenance	106.263	<5.0			<1.0	
SITE	Ovens, Barbeques, Cookers	106.244					Neg.
SITE	A/C and Ventilation Systems	106.103				<2.00	
SITE	Hand-Held, Manually Operated Machines	106.265	Neg.	Neg.	Neg.	Neg.	Neg.
SITE	Soldering, Brazing, Welding	106.227					<0.01 (Pb)
HREL	Laboratory	106.122	0.01		0.01	0.75	
T120VOC	Storage Tank	106.478	0.10				

Date: December 15, 2014

Attachment 3 to Special Conditions

Permit Numbers 16786 and N038

Planned Maintenance, Startup, and Shutdown Activities

Source or Activity – PBR	Authorization
Routine facility maintenance including painting and abrasive blasting on immovable structures	§ 106.263
Maintenance, startup, and shutdown of portable and emergency engines and turbines authorized by a PBR	§ 106.511
Maintenance, startup, and shutdown of storage tanks authorized by permit	Permit No. 16786
Maintenance, startup, and shutdown of refrigeration equipment used in support of manufacturing operations	§ 106.373
Routine maintenance, startup, and shutdown of facilities and temporary maintenance facilities	§ 106.263(c)(3)

Source or Activity – De Minimis	Authorization
Water-base surfactants/detergents less than or equal to 2,500 gallons per year, site-wide	§ 116.119(a)(2)(F)
Application of lubricants, greases, and oils without propellants for maintaining equipment	§ 116.119(a)(1)
Aerosol product use – less than 4 cans (64 oz) per day on a rolling 12 month basis	§ 116.119(a)(1)
Brushes, cloth, pads, sponges, doppers, tube dispensing equipment, spray bottles, and pump-up sprayers without aerosol propellants	§ 116.119(a)(1)

Date: December 15, 2014

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 16786 and N038

This table lists the maximum allowable emission rates and all sources of air contaminants covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates	
			lbs/hour	TPY (2)
2B, 19A, 19B, 26C, 32A, 32C, 32D, 36, 53A, 53B, 60, 62, S28, 217, 225, 204, 205, 206, 207, SBGEN, 226, 227B, 234, and KCGEN	South and Kilby Wafer Fab	VOC	13.03 (4)	33.40 (4)
		VOC	41.07 (5)	
		VOC	14.28 (8)	
		Exempt VOC	18.65 (4)	77.90 (4)
		Exempt VOC	9.90 (5)	
		Exempt VOC	13.69 (8)	
		PM	2.93	7.63
		PM_{10}	2.93	7.63
		$PM_{2.5}$	2.93	7.63
		GIC	10.99	35.63
		CO	0.40	1.76
		NO_x	0.06	0.26
		VOC (3)	0.01	0.01
		PM (3)	0.13	0.44
		PM_{10} (3)	0.13	0.44
		$PM_{2.5}$ (3)	0.13	0.44
		NO_x (3)	6.96	30.45
		CO (3)	6.06	26.54
		SO_2 (3)	0.06	0.22

Emission Sources - Maximum Allowable Emission Rates

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates	
			lbs/hour	TPY (2)
238,239, D5NAM, D5NAM2, 40E1, 40E2, 40E3, 40E4, DM5NGEN1, DM5NGEN2, 208, 209, 210, 218, 219, 220, DM5SGEN1, DM5SGEN2, DM5SGEN3, and DM5SGEN4	DMOS5 Wafer Fab	VOC	9.81 (4)	37.92 (4)
		VOC	71.45 (5)	
		Exempt VOC	23.91 (4)	104.04 (4)
		Exempt VOC	30.01 (5)	
		PM	1.41	5.10
		PM_{10}	1.41	5.10
		$PM_{2.5}$	1.41	5.10
		GIC	8.85	34.63
		CO	0.76	3.36
		NO_x	0.10	0.44
		VOC (3)	0.01	0.01
		PM (3)	0.13	0.49
		PM_{10} (3)	0.13	0.49
		$PM_{2.5}$ (3)	0.13	0.49
		NO_x (3)	9.87	43.20
		CO (3)	8.99	39.35
		SO_2 (3)	0.02	0.04

Emission Sources - Maximum Allowable Emission Rates

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates	
			lbs/hour	TPY (2)
221A, 221B, 221C, 221D, 222, 223, 224, 251A, 251B, 251C, and DM6GEN1	DMOS6 Wafer Fab	VOC	4.98 (4)	20.88(4)
		VOC	35.20 (8)	
		Exempt VOC	10.51 (4)	46.01 (4)
		Exempt VOC	12.95 (8)	
		PM	0.47	2.07
		PM_{10}	0.47	2.07
		$PM_{2.5}$	0.47	2.07
		GIC	6.58	23.11
		CO	0.38	1.68
		NO_x	0.05	0.22
		VOC (3)	<0.01	<0.01
		PM (3)	0.05	0.17
		PM_{10} (3)	0.05	0.17
		$PM_{2.5}$ (3)	0.05	0.17
		NO_x (3)	1.85	8.12
		CO (3)	2.33	10.21
		SO_2 (3)	0.01	0.01

Emission Sources - Maximum Allowable Emission Rates

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates	
			lbs/hour	TPY (2)
228A, 228B, 228C, 229, 229A, 230, SCGEN1, SCGEN2, and SCGEN3	SC Wafer Fab	VOC	3.23 (4)	11.91 (4)
		VOC	15.06 (5)	
		Exempt VOC	0.47 (4)	2.02 (4)
		Exempt VOC	4.79 (5)	
		GIC	0.86	3.55
		VOC (3)	0.01	0.04
		PM (3)	0.02	0.06
		PM_{10} (3)	0.02	0.06
		$PM_{2.5}$ (3)	0.02	0.06
		NO_x (3)	0.68	3.00
		CO (3)	0.58	2.52
		SO_2 (3)	<0.01	<0.01
S28, 40E1, 40E2, 40E3, 40E4, 210, 218, 221A, 221B, 221C, 221D, 227B, 228A, 228B, and 228C	South and Kilby, DMOS5, DMOS6, and SC Wafer Fabs	VOC		22.00 (8)
		Exempt VOC		1.60 (8)
101 and 103	Dallas Support Building	VOC	0.36	0.94
		Exempt VOC	0.42	1.85
		GIC	0.01	0.02
11 and 52	Facilities Building	VOC	0.30	1.24
		Exempt VOC	0.03	0.13
		GIC	0.11	0.23
74	Time Building	VOC	1.06	2.31
		GIC	0.15	0.34

Emission Sources - Maximum Allowable Emission Rates

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates	
			lbs/hour	TPY (2)
213	Solvent Building	VOC	1.75	6.86
		Exempt VOC	1.00	2.00
		GIC	<0.01	<0.01
CUP1, CUP2, CUP3, and CUP4	Central Utility Plant	VOC	1.00	4.38
		Exempt VOC	4.95	13.02
		GIC	0.01	<0.01
		VOC (3)	1.71 (6)	7.25 (7)
		PM (3)	7.26 (6)	11.21 (7)
		PM_{10} (3)	7.26 (6)	11.21 (7)
		$PM_{2.5}$ (3)	7.26 (6)	11.21 (7)
		NO_x (3)	36.98 (6)	86.42 (7)
		CO (3)	11.71 (6)	51.24 (7)
		SO_2 (3)	177.48 (6)	31.94 (7)
41200, 156653, 182206, 182207, 190311, 190312, 190313, 190314, 190315, 190316, 190317, and 202991	12 Boilers (Other than in Central Utility Plant)	VOC (3)	0.76 (6)	3.25 (9)
		PM (3)	3.24 (6)	4.66 (9)
		PM_{10} (3)	3.24 (6)	4.66 (9)
		$PM_{2.5}$ (3)	3.24 (6)	4.66 (9)
		NO_x (3)	19.70 (6)	32.26 (9)
		CO (3)	11.49 (6)	49.51 (6)
		SO_2 (3)	44.76 (6)	3.95 (9)
Attachment 1	69 Fuel and Process Material Storage Tanks	VOC	3.21	6.03
		Exempt VOC	0.35	0.44
		GIC	<0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

Emission Point No.	Source Name	Air Contaminant Name (1)	Emission Rates	
			lbs/hour	TPY (2)
Site	Degreasers, Inorganics Storage Tanks, Cooling Towers, Wastewater Neutralization Systems, Labs, Cafeterias, and Remediation	VOC	0.70	1.55
		Exempt VOC	0.13	0.26
		GIC	0.01	0.01
		PM	0.03	0.15
		PM_{10}	0.03	0.15
		$PM_{2.5}$	0.03	0.15
All TI Emission Points at the Site	All TI Sources at the Site	Single HAP		<10.00
		All HAP		<25.00

(1) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1 (30 TAC § 101.1)
Exempt VOC - exempt solvents as defined in 30 TAC § 101.1
PM - particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$
PM_{10} - particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
GIC - gaseous inorganic compounds including acids and caustics
CO - carbon monoxide
NO_x - nitrogen oxides
SO_2 - sulfur dioxide
HAP - hazardous air pollutants as identified in Title 40 Code of Federal Regulations Part 63, Subpart C

(2) Rate is for a rolling 12 consecutive months.
(3) Combustion product.
(4) Rate during normal operation with thermal oxidizer(s).
(5) Rate during scheduled maintenance on thermal oxidizer(s) or gas curtailments.
(6) Rate from burning No. 2 fuel oil.
(7) Rate from burning natural gas and No. 2 fuel oil with the burning of No. 2 fuel oil limited to 360 hours per year per four boilers.
(8) Rate during scheduled maintenance on thermal oxidizers, gas curtailments, and switching to backup thermal oxidizers.
(9) Rate from burning natural gas and No. 2 fuel oil.

Date: December 15, 2014

Attachment 1 to

Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 16786 and N038

Storage Tank Emission Points

75	T51VOC	T85VOC	T121VOC
76	T52VOC	T86VOC	T122VOC
T53	T54VOC	T87VOC	T123VOC
T1VOC	T55VOC	T88VOC	T100ING
T2VOC	T58VOC	T89VOC	T101ING
T3VOC	T61VOC	T90VOC	D5SST1
T5VOC	T62VOC	T91VOC	D5SST2
T23VOC	T63VOC	T92VOC	D5SST4
T24VOC	T64VOC	T93VOC	D5NST1
T25VOC	T74VOC	T100VOC	D6ST1
T39VOC	T77VOC	T101VOC	D6ST2
T40VOC	T78VOC	T102VOC	KCST1
T41VOC	T79VOC	T103VOC	SBST1
T42VOC	T80VOC	T110VOC	SBST2
T47VOC	T81VOC	T111VOC	SCST1
T48VOC	T82VOC	T112VOC	
T49VOC	T83VOC	T113VOC	
T50VOC	T84VOC	T114VOC	

Date: December 15, 2014